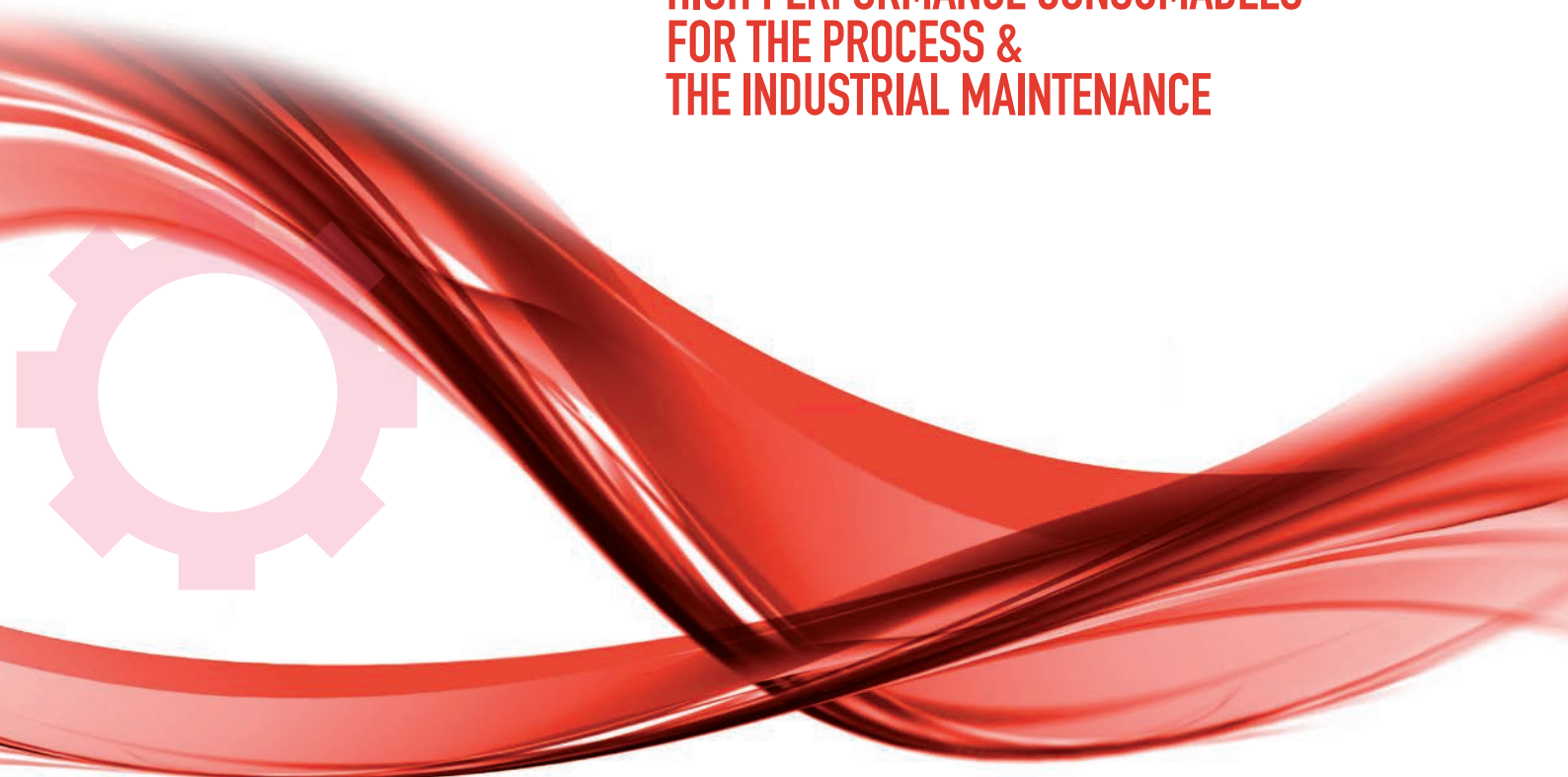


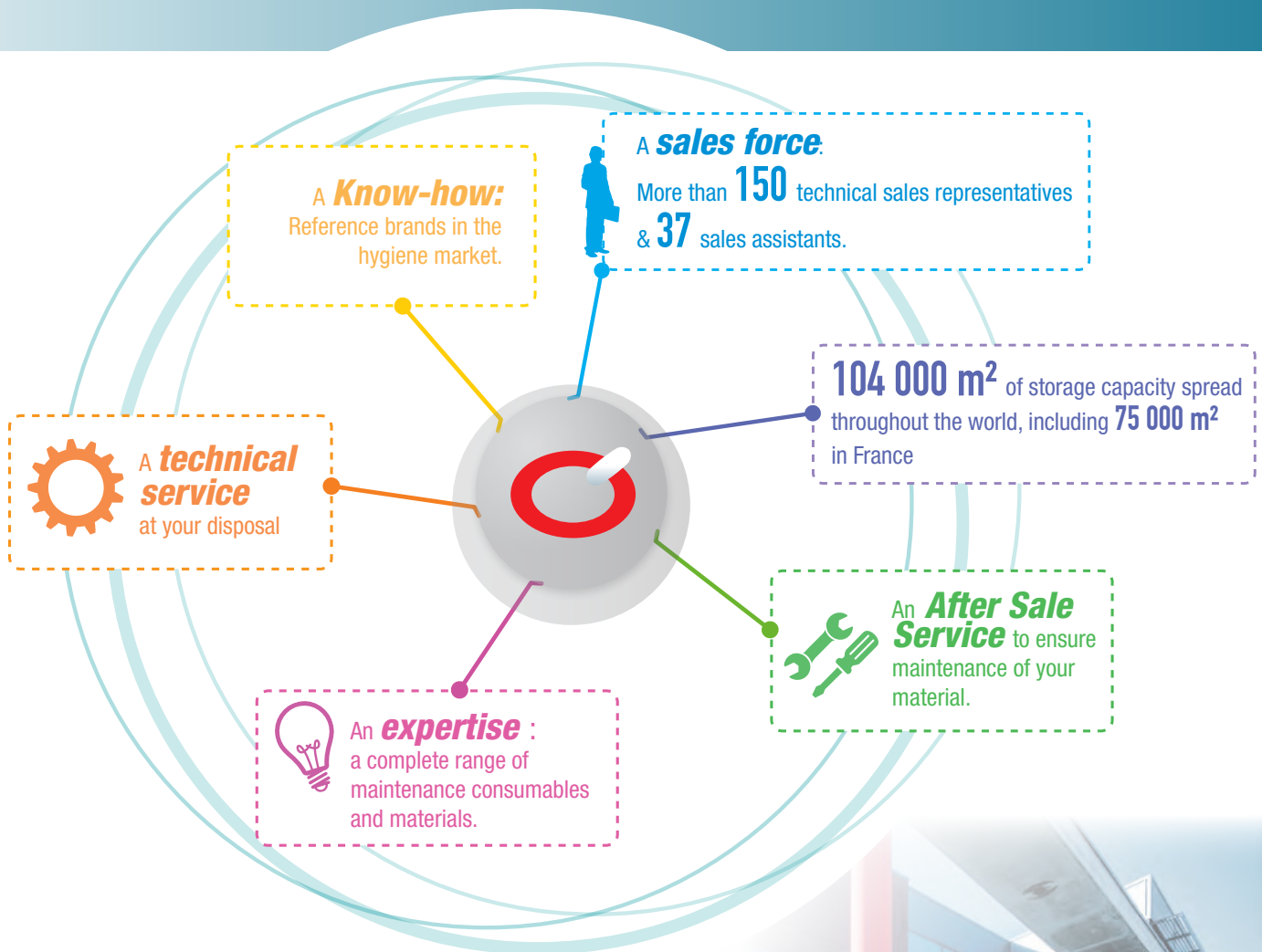
**HIGH PERFORMANCE CONSUMABLES
FOR THE PROCESS &
THE INDUSTRIAL MAINTENANCE**



ORAPI GROUP

Our teams stand by your side to ensure suitable advice, quality service and to offer training in the use of our products.

A NATIONAL INTEGRATED NETWORK PROVIDING YOU WITH:



520
collaborators

1 100
orders/day

30 000
active customers

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ORAPI GROUP: IMPROVING YOUR WORKPLACE ENVIRONMENT

High performance industrial consumables



Guy Chiffot
CEO



Henri Biscarrat
MANAGING DIRECTOR

3 Research laboratories

DISTRIBUTED IN 150+ COUNTRIES

1970 GROUP'S CREATION

7500+ PRODUCTS

8 PRODUCTION UNITS

Orapi Group is the only French consumables manufacturer that is vertically integrated from design to marketing

Distributed in more than 150 countries, the Orapi Group is the leading French supplier designing, producing and marketing high performance consumables for the hygiene and process sectors.

Orapi Hygiène and Orapi Process aim to provide the most comprehensive range of products designed specifically to meet the requirements of the hygiene and process sectors. They have a unique portfolio of specialized brands within each sector with integrated manufacturing facilities.

Orapi combines know-how and expertise, drawing on a wide range of skills, and targets customer satisfaction through on-going responsible research and innovation. With more than 2 million users worldwide, our actions are based on continuous quality improvement.

Hygiene and Process: your business is our inspiration



DESIGN • MANUFACTURING • MARKETING

ORAPI GROUP EKOPI



CLEANING COMPANIES

TERTIARY

HEALTH

LEISURE

TRANSPORT

INDUSTRY

2 MAIN MARKETS
WITH A GLOBAL PRESENCE

HYGIENE DIVISION

Cleaners
and disinfectants



PROCESS DIVISION

Consumables
for the maintenance
of industrial equipment

2 000 000

end users



EUROPEAN CERTIFICATIONS





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PENETRATE & RELEASE

DISMANTLE
CLEAN
LUBRICATE

PENETRATING OILS

QUICK SELECTION	CERTIFICATIONS		
	FOOD INDUSTRY	NUCLEAR INDUSTRY	

DEGRILUB	Lubricant			
REDUCE 4	Power	•		
REDUCE A296	Non-flammable			
NANOLUBRICANT	Power +		•	
REDUCE AL	Food industry		•	
DEGRYP'BIO	Organic		•	
REDUCE 2N	Nuclear and energy industry			•
WR+	Multi-purpose	•		

PENETRATE & RELEASE

DEGRILUB
LUBRICANT

801

An essential product for mechanical engineering. Frees, protects and lubricates. Excellent wettability enables rapid action on small mechanisms: bolts, screws, etc. Anti-seize lubricant: for locksmiths, the automotive industry, the industrial sector, etc.

T° : -30 to +100°C



4801A4	650 ml aerosol
2801J1	5 l jerrycan
2801U2	200 l drum

REDUCE 4
SUPER POWERFUL



800

Fast acting. Wetting, penetrating, rust removing, cleaning, water repellent, phosphating, lubricating. For very difficult dismantling operations without damaging the threads. Properties: prevents rust, corrosion and wear.



4800A8	270 ml aerosol TDS
4800A2	405 ml aerosol TDS
4800A5	800 ml aerosol TDS
2800i1	500 ml spray bottle
2800i2	1 l metal container
2800J1	5 l jerrycan
2800U2	200 l drum



REDUCE A296
NON-FLAMMABLE



8142

Loosens, lubricates and penetrates. Non-flammable penetrating oil for all risk industries. Very low surface tension, which makes it ultra penetrating. Has very good lubricity. Compatible with all materials including elastomers.

Odour: none



48142A2	405 ml/300 g aerosol
---------	----------------------

NANOLUBRICANT®
HIGH TECHNOLOGY



2025

Loosens, lubricates and penetrates. Water repellent, prevents corrosion. Fast acting. Silicone- free. Nanolubricant®: performance enhancing technology. Reduces loosening torque by 5. Increases productivity.



42025A4	650 ml aerosol TDS
---------	--------------------

REDUCE AL
FOOD INDUSTRIES

799

Low surface tension fluid. Infiltrates, penetrates, cleans, lubricates with a de-seizing effect. Preventive and curative action against rust. For all kind of seized mechanism, small tools, conditioner, fastenings, plumbing, manufacturing and packing of food...



colourless
Odour: none



4799A2	405 ml aerosol TDS
2799J1	5 l jerrycan

DEGRYP'BIO®
BIODEGRADABLE, VOC-FREE



817

For difficult dismantling operations in places where environmental protection is key: forests, rivers, lakes, seas, gardens, etc. Formulated for minimal environmental impact, from plant-based lubricating, degreasing and tar removing raw materials. Fast acting. Wetting, penetrating, water repellent, rust and corrosion inhibitor.



Flash point:
> 150°C



4817A4	650 ml aerosol TDS
4817J1	5 l metal jerrycan
2817U2	200 l drum

REDUCE 2N
HALOGEN-FREE

815

Lubricating, de-seizing fluid with high penetrative power. Dissolves the residue formed by mounting pastes. Lubricates and protects. Penetrates, removes rust, dissolves tar and dirt on the dirtiest parts, infiltrates even the narrowest spaces. Very effective against salt water corrosion.



Cl - F - S - Br :
< 200 ppm
PMUC : 04-033



6815A2	405 ml aerosol TDS
6815i1	500 ml spray bottle
6815J1	5l jerrycan

WR+

805

5 FUNCTIONS, OVER 1 000 USES

Removes moisture by repelling water on metal and eliminates short circuits. Rapidly penetrates by seeping into cracks, frees parts, ensuring constant operation. Protects, deposits a thin layer of anti-corrosive and lubricating substances. Cleans and gets under the dirt.



4805A8	270 ml aerosol TDS
4805A4	650 ml aerosol TDS
2805i2	1 l metal container
2805J1	5 l metal jerrycan
280501	20 l drum
2805U2	200 l drum





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HOW TO CHOOSE A SOLVENT? OUR ENGINEERS' RECOMMENDATION

The right choice is to find a balance between evaporation rate, flash point(1), effectiveness (Kb value), the environment and price.

To facilitate your choices, given the complex scope of solutions, we provide a summary table below.

DRYING TIME	FLASH POINT	KB VALUE	PRODUCTS	PAGE
IMMEDIATE	None	135	504 SDI NEW	10
		130	518 ORASOLV A05	10
		120	514 ORASOLV 0	12
	< 21	100	507 NDI	12
		80	568 ORASOLV A	14
		75	503 KLEANER 516 NET FREINS	12 12
RAPID	>23	100	9539 TAR OFF	13
		150	5432 ORASOLV S2	11
	>30	85	581 ORASOLV L2	11
		70	512 ORASOLV L	11
		35	564 ORASOLV B30	10
CONTROLLED	>40	80	539 ORASOLV E	13
		78	538 ORASOLV 89 CLI	13
		72	511 ORASOLV M1	11
		35	567 ORASOLV B40	10
		30	544 ORASOLV T	14
AVERAGE	>61	70	540 ORASOLV P	11
		35	571 ORASOLV B60	10
	>62	35	517 A62NU	12
		30	513 ORASOLV N	14
SLOW	>69	80	550 ORANGE SOLVENT	12
	>75	150	5232 ORASOLV S232	11
	>80	150	543 ORASOLV S1	14
	>100	80	5820 COLZ'EMUL	13
	>100	30	576 ORASOLV R2	14
	>150	80	582 NATUR'SOLV	11

(1)Required temperature for the solvent to ignite spontaneously in the presence of a flame or spark (not to be confused with the autoignition temperature). Generally speaking, the lower the flash point, the faster the evaporation and the drier the solvent.



CLEAN

DEGREASE
STRIP
DISINFECT

HOW TO CHOOSE THE RIGHT DETERGENT AND ACHIEVE THE BEST RESULTS?

Making the right choice initially involves identifying the type of dirt you wish to remove, our table will help you make the link between your type of dirt and the pH of our product. This is essential for maximising effectiveness.

Our recommendations will subsequently allow you to make the appropriate choice in terms of equipment, dosage, temperature and action time.

	ACID pH					NEUTRAL pH			ALKALINE pH					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
targets	DESTRUCTIBLE DIRT					SUSPENDED DIRT			EMULSIFIABLE DIRT					
	Cement					Sugar			Grease					
	Rust					Starch			Lipids					
	Limescale					Salt			Proteins					
	Limestone					Dust			Emulsion					
	Mineral deposits					Fat			Soap					

IDEAL USE ACCORDING TO ORAPI

CHEMICAL ACTION (pH)

THE RIGHT ORAPI PRODUCT



TEMPERATURE OF MIXTURE

ALL OUR PRODUCTS ARE CONCENTRATES:

diluting with water at 40°C improves the effectiveness of our products and prevents problems due to overdosing.



MECHANICAL ACTION

THE RIGHT EQUIPMENT

parts washer, scrubberdrier, pressure washer, manual



ACTION TIME

THE RIGHT ACTION TIME

Allow to work before rinsing or leave the parts to soak in our parts washers designed for this purpose.

STANDARD SOLVENTS

ORASOLV B30

564

RAPID EVAPORATION

Appropriate solvent for metallic surfaces, mechanical and electrical parts as part of interoperation cleaning and routine degreasing. Deeply penetrates and completely dissolves greasy deposits and sludge. Leaves a perfectly dry surface. Can be used in finishing works.

colourless

Flash point:
> 30°C

Dielectric strength:
> 40 kV

2564i2	1 l container
2564J1	5 l jerrycan
2564O1	20 l drum
2564U2	200 l drum



ORASOLV B60

RECOMMENDED



PRODUCT

571

SAFE ANTI-CORROSION TREATMENT

Degreasing of almost every greasy metal surface. Evaporates slowly, leaving a light, corrosion inhibiting film. Recommended for soaking to remove stubborn deposits.



colourless

Flash point:
> 60°C

Dielectric strength:
> 40 kV

Compatible with ultrasonic cleaning baths

2571i2	1 l container
2571O1	20 l drum
2571O2	25 l metal drum
2571O5	60 l drum
2571U2	200 l drum
2571N1	1,000 l container



ORASOLV B40

567

UNIVERSAL

Cleaning solvent which evaporates rapidly when blown dry. « For the thorough degreasing of all mechanical parts soiled by grease and oil residues, even when oxidised and burnt.

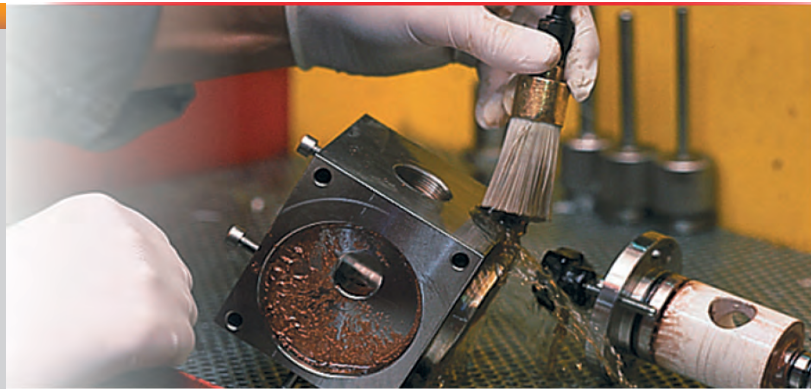


colourless

Flash point:
> 40°C

Dielectric strength:
> 40 kV

2567i2	1 l container
2567J1	5 l jerrycan
2567O5	60 l drum
2567U2	200 l drum



NON-FLAMMABLE SOLVENTS

SDI NEW

504

INDUSTRIAL SUPER DEGREASER

Extremely powerful degreaser: burnt grease, synthetic fluids, fuel, tar, rubber, varnish and deposits produced by hydrocarbons. Dries immediately. Prepares surfaces prior to gluing or painting.

colourless

Mild orange scent.

Kb value:
> 135

Non-flammable

4504A5	800 ml aerosol
--------	----------------



ORASOLV A05

518

CLEANER/STRIPPER

For surface preparation. Perfectly dissolves grease, tar and oil deposits, resins, glues inks and paints. Rapid and total evaporation. Leaves a dry, clean surface, without any residue.

colourless

Dielectric strength:
> 60 kV

Kb value: >135
Non-flammable

2518J5	6 kg metal jerrycan
2518O3	32 kg metal drum
2518U4	261 kg drum

A 90H

508

CLEANER FOR ELECTRONIC APPLICATIONS

Extremely safe live contact cleaner. Rapid and total evaporation. Cleans electrical cabinets, coils, printed circuit boards, precision electronic equipment (relays, connectors, etc.). Defluxing solvent. Does not stain. Does not lead to the oxidation of parts once it has dried. Has no effect on plastic.

colourless

Dielectric strength:
> 50 kV

Non-flammable

4508A4	650 ml aerosol
--------	----------------



HIGH-TECH SOLVENTS

ORASOLV L

512

RAPID EVAPORATION

New generation solvent appropriate for all mechanical and electrical parts (power down). Rapidly cleans and leaves a perfectly dry surface. Ideal for applications where mechanical parts are very greasy.



■ light green

Flash point:
> 30°C

Dielectric strength:
> 40 kV

Kb value: >70

2512i2 1 l container

2512J1 5 l jerrycan

2512O5 60 l drum

2512U2 200 l drum

ORASOLV P

540

VERY STRONG SOLVENT POWER

Formulated for the rapid and thorough degreasing of all very dirty surfaces. A3 type safety solvent. Can all provide protection between machining operations. Ideal for applications where mechanical parts are very greasy.



■ light green

Flash point:
> 61°C

Dielectric strength:
> 40 kV

Kb value: >70

Compatible bacs ultrasons

2540i2 1 l container

2540J1 5 l jerrycan

2540O1 20 l drum

2540U2 200 l drum

ORASOLV L2

581

RAPID EVAPORATION - HIGHLY ACTIVE

Solvent containing a comprehensive formula based on carefully selected raw materials. Powerful, multipurpose solvent with a very quick action and very effective on all greasy deposits and oils. Leaves a dry and clean surface after a few minutes.



colourless

Flash point:
30°C

Kb value: > 85

2581U2 200 l drum

ORASOLV M1

511

MULTI-PURPOSE WORKSHOP SOLVENT

Specifically formulated for degreasing all mechanical parts and metal surfaces in workshops. Penetrates deeply and dissolves greasy deposits and sludge on mechanical parts.



■ green

Flash point:
> 40°C

Dielectric strength:
> 40 kV

Kb value: > 72

2511i2 1 l container

2511J1 5 l jerrycan

2511O1 20 l drum

2511O5 60 l drum

2511U2 200 l drum



NATUR'SOLV

ENVIRONMENTAL FRIENDLY

582

PLANT-BASED SOLVENT

High-tech new generation solvent, synthesised from plant-based raw materials. Excellent degreaser and tar remover. Penetrates deeply and dissolves greasy deposits and dirty oils. Protects against corrosion, VOC-free.



NSF



colourless

Flash point:
> 150°C

Dielectric strength:
> 40 kV

Kb value: 80

2582J1 5 l jerrycan

2582U2 200 l drum



ORASOLV F

820

TAR REMOVER

Thanks to its excellent dissolving and dispersing properties, ORASOLV F removes coke oven tar and all industrial residues (tar, oxidised grease, polymerised organic compounds etc.) from all metal surfaces. Specifically designed using highly refined compounds to provide optimal effectiveness and safety for tar removing operations in industrial environments.

Flash point:
67°C

Kb value: 83

2820N1 Container 1000 l



ORASOLV S2

5432

RAPID INK EVAPORATION

High-tech solvent. Soluble in water, allows easy rinsing of surfaces. Used neat for the cleaning and degreasing of numerous chemicals: printing ink, resin, glue. Very efficient solvent.

colourless

Flash point:
30°C

Kb value: > 150

25432O1 20 l drum

25432U2 200 l drum

ORASOLV S232

5232

INKS AND VARNISHES

Cleaning, dissolving, stripping of glues, paints, printing inks, varnishes, polymers and resins. Industry: cleaning of glues and varnishes. Printing industry: cleaning of inks, particularly those most resistant to cleaning. Cleaning of moulds in the plastic processing sector.

Flash point:
> 75°C



25232J1 5 kg jerrycan

25232U2 200 kg drum



SPECIAL SOLVENTS

KLEANER

503

DRY SOLVENT FOR PLASTICS

Dry cleaner and grease remover, quick drying. Cleaning of all devices and small mechanisms, contacts and printed circuits. Ideal to clean any difficult to reach and fragile surfaces. Highly concentrated grease dissolving ability. Does not contain chlorinated solvents. Does not damage fragile materials, labelling inks or plastics.



colourless
Scent: **apple**
Flash point:
< 0°C



4503A4 650 ml aerosol



NDI

DRY SOLVENT

Indispensable for pre-mounting cleaning and prepainting preparation. Very rapid evaporation. Cleans metal and plastic surfaces (once a compatibility test has been carried out). Does not contain chlorinated solvent. Leaves a dry and clean surface.

507

colourless
Flash point:
< 21°C



4507A4 650 ml aerosol
4507A5 800 ml aerosol **NEW**
2507J1 5 l jerrycan
2507U2 200 l drum

ORASOLV O

514

DRY - ULTRA-RAPID EVAPORATION

For surface preparation before painting or gluing. Dissolves resins, glues, inks and paints. Immediate evaporation. Leaves a completely clean and dry surface, without deposits. Cleaning of oxygen pipes and valves. Does not contain chlorinated solvent.

colourless
Flash point:
< 0°C



2514i2 1 l container
2514J1 5 l jerrycan
2514O1 20 l drum
2514U2 200 l drum

ORANGE SOLVENT



DEGREASING TAR REMOVER

Cleans and dissolves grease. Tar and combustion residue remover and descaler. Protects mechanical parts by leaving a light, greasy film. Non-irritant. Excellent to remove labels. All uses.

550



orange
Scent: **fruity**
Flash point:
62°C
Kb value: 80



4550A4 650 ml aerosol
2550i2 1 l container
2550J1 5 l metal jerrycan
2550O1 20 l drum
2550U2 200 l drum
2550N1 Container 1000 l

SOLVORANGE



PLANT-BASED DEGREASER RAPID EVAPORATION

Degreasing solvent specifically designed for cleaning operation and surface preparation, when there are severe pollutions. Effective to remove inks. Excellent oils and greases solvent.

C629

colourless
Scent: **citrus**
Flash point:
< 21°C

4C629A5 800 ml aerosol
C629/0210 210 l drum

DILUANT VIMOS EMOS

NEW

DILUENT FOR DRY LUBRICANT WITH Mos2

Diluent specially formulated for our lubricating varnishes VIMOS 70 and EMOS 60.

The diluent is used to thin varnishes that need to be more fluid before they are sprayed. It is also recommended to dilute and clean adhesives.

719

colourless
Aspect : **liquid**
Flash point:
0°C

3719i2 1 l container
2719J1 5 l metal jerrycan

A 62 NU

517

HALOGEN-FREE

Solvent for the degreasing of very dirty mechanical parts and decontamination of radioactive particles. PMUC approved for nuclear and thermal power plants, hydroelectric facilities and subcontractors. Certified for the degreasing of low voltage (BT) and medium voltage (HTA) cables.



colourless
Flash point:
> 62°C
Cl - F - S - Br:
< 200 ppm
PMUC: 01-024



6517i4 1 l spray bottle
6517J1 5 l metal jerrycan
6517O1 20 l metal drum
6517U2 200 l drum

NET FREINS

516

BRAKE CLEANER

Dry cleaner, grease remover for brakes. Evaporates very quickly, does not attack plastics. Powerful spray. Removes oil, brake pad residue etc. Suitable for brakes on cars, lorries, trailers, machine tools etc. Surface preparation before gluing or painting.



colourless
Flash point:
< 0°C



4516A4 650 ml aerosol
2516J1 5 l jerrycan

EMULSIFIABLE PRODUCTS



ORASOLV 89 CLI 100 5382

ODOURLESS EMULSIFIABLE PRODUCT WITH HIGH FLASH POINT

High-tech emulsifiable solvent, VOC-free, synthesized from refined hydrocarbon products. Specific version, odourless and halogen-free, to work in nuclear environments.



■ blue
Flash point: **100°C**
Kb value: > 50
Cl - F - S - Br: < 200 ppm

25382U2 200 l drum

ORASOLV E 539

EMULSIFIABLE PRODUCT

Extra-powerful solvent. Powerful tar remover, cleaning of burnt residues. Degreases heavily encrusted mechanical parts, cement, concrete floors etc. Cleans brushes impregnated with solvent based paints.



■ blue
Flash point: > 40°C
Kb value: > 78

2539i2 1 l container
2539J1 5 l jerrycan
2539O5 60 l drum
2539U2 200 l drum



ORASOLV 89 CLI 538

ODOURLESS EMULSIFIABLE PRODUCT

Powerful tar removing solvent formulated using odourless raw materials. Cleaning of heavily encrusted mechanical parts, combustion residue and traces of tar. Recommended for applications in the nuclear industry and for subcontracting as it is halogen-free.

■ blue
Flash point: > 40°C
Kb value: > 50
Cl - F - S - Br: < 200 ppm

2538J1 5 l metal jerrycan
2538O1 20 l drum
2538U2 200 l drum



COLZ'EMUL 5820

ENVIRONMENTAL FRIENDLY

Powerful tar removing solvent formulated using plant-based raw materials. Cleaning of heavily encrusted mechanical parts, combustion residue, fuel oil and traces of tar. Also used as a non-stick and mould release agent: concrete, tar, fuel oil. VOC-free



■ Light yellow
Flash point: > 100 °C
Kb value: > 80



25820J1 5 l jerrycan
25820U2 210 l drum
25820N1 Container 1 000 l

TAR OFF 9539

POWERFUL EMULSIFIABLE PRODUCT

Highly effective product for the cleaning and removal of traces of tar, asphalt, combustion residue, even when burnt, as well as very stubborn grease and oil deposits. Public works companies, refineries, industrial boiler servicing companies, etc.

colourless
Scent: **strong**
Flash point: **23°C**
Kb value: > 100

29539O1 20 l drum
29539U2 200 l drum



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FOOD GRADE SOLVENTS

ORASOLV A

568

VERY QUICK DRYING

Dry solvent. Penetrates deeply and completely dissolves greasy residues and glues. Does not cause metal oxidation once dry. Soluble in water. Can be used for the cleaning of glue residues, adhesives, labels, blood or sugar in a food processing environment.



colourless
Flash point:
< 21°C

4568A4	650 ml aerosol TDS
2568J1	5 l jerrycan
2568U2	200 l drum

ORASOLV T

544

RAPID EVAPORATION

For the cleaning of mechanical parts and stainless steel equipment. Excellent compatibility with gaskets, rubber and all plastics. Cleaning of food and pharmaceutical facilities.



colourless
Flash point:
> 40°C
Dielectric strength:
> 40 kV

2544i2	1 l container
2544J1	5 l jerrycan
2544O2	30 l metal drum
2544O5	60 l metal drum
2544U2	200 l drum



CLEAN

ORASOLV N

513

MULTI-PURPOSE, ODOURLESS

Degreases mechanical parts. Cleans electrical and electronic components. Evaporates rapidly when blown dry. A3 type safety solvent.



colourless
odourless
Flash point:
> 60°C
Dielectric strength:
> 40 kV
Can be used in
ultrasonic
cleaning baths

2513i2	1 l container
2513O1	20 l drum
2513U2	200 l drum



ORASOLV R2

576

VOC FREE

Penetrates deeply and completely dissolves greasy deposits. Leaves a light, greasy film which protects metals. Ideal solvent for safe cleaning, protects operators and the environment.



colourless
Transparent
liquid
Flash point:
> 100°C
Dielectric strength:
> 40 kV

2576i2	1 l container
2576U2	200 l drum

ORASOLV S1

543

INKS AND RESINS

High-tech solvent. Soluble in water, allows easy rinsing of surfaces. Used neat for the cleaning and degreasing of numerous chemicals: printing inks, resins and glues. Very efficient solvent.



■ green
Flash point:
75°C
Dielectric strength:
> 40 kV
Kb value: > 150



2543i2	1 l container
2543J1	5 l jerrycan
2543O1	20 l drum
2543O5	60 l drum
2543U2	200 l drum
2543N1	Container 1000 l



STRIPPERS

**DÉCAPANT PRO****6642****STRIPPER FOR ALL SURFACES**

Very powerful industrial stripper specifically formulated for paint stripping in industrial and professional environments. Paint stripping from metal, wood and floors. Effective on recent and old oil-based, acrylic, epoxy, polyurethane, single- or two-pack paints. Does not contain CMR compounds.

liquid

Consumption:
6-8 m²/l

26642i2	1 l container
26642J1	5 l jerrycan
2664201	20 l drum
26642U2	200 l drum

PENETRATE & RELEASE



CLEAN

DÉCAPANT**585****GEL**

Stripping of graffiti from walls, carriages, road signs, glass, wood etc. Efficient on paints and felt-tip stains. Stripping of all types of paint from all vertical surfaces.



gel

4585A4	650 ml aerosol
2585J1	5 l jerrycan



USE

LUBRICATE

VAND'X**9117****ANTI GRAFFITI**

Solvent for removing graffiti (chalk, paint, wax, ink, spray can, marker, etc.) from painted or fragile surfaces. Ideal for removing graffiti from buses, underground trains and railway carriages as well as road signs without affecting their reflective properties.

fluid liquid

Odour:
distinctive
Flash point:
> 55°C

OH9117i4	1 l spray bottle
----------	------------------

ALCAPOUDRE**1140****POWDER STRIPPER**

Powerful stripper for the removal of most paints by soaking. Soaking time depends on the chemical nature and thickness of the paint, soaking bath temperature and age of the coating. Active compound concentration (100%). It is totally soluble in water. Does not contain carcinogen, mutagenic or reprotoxic compounds. Powerful detergent.

white
powderDosage:
50 to 80 g / l

21140S5	25 kg drum
---------	------------

ASSEMBLE

PROTECT

ALKALINE DETERGENTS

ORANET B1

SUPER CONCENTRATED DETERGENT

Very powerful liquid detergent. Cleaning of car and lorry bodies, tarpaulins, painted surfaces; cleaning of heavily encrusted floors, machine frames etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.



515



■ Light blue

Dosage:
0,5 to 20 %
pH to 5 %: 12,5

2515i1	500 ml spray bottle
2515J1	5 kg jerrycan
251501	20 kg drum
251505	60 kg drum
2515U2	200 kg drum
2515N1	Container 1000 kg



ORANET B15

READY-TO-USE DETERGENT.

Derived from the powerful ORANET B1 formula, ORANET B15 is a ready-to-use version with an accurate, optimised and standard dosage. It is recommended for workshops where operators are not authorised or equipped with the right tools to dilute the detergent. Cleaning of floors, machines and vehicles.

546

■ Yellow
pH: 12,5

2546U2	200 kg drum
--------	-------------

ORANET A

FOOD INDUSTRIES

Cleaning of tanks, truck tarpaulins, floors, machine frames, production and packaging of wine, beer, vegetables, meat, biscuits, dairy products etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.

530



colourless
odourless
Dosage:
0,5 to 20 %

2530i2	1 kg container
2530J1	5 kg jerrycan
253001	20 kg drum
253005	60 kg drum
2530U2	200 kg drum



ORANET C

FLOOR AND WALL DETERGENT

Powerful liquid detergent. Specifically designed for cleaning encrusted floors (concrete, tiled, painted etc.) in the automotive industry, dirty production units, changing rooms, showers etc. Can be used with a brush, scrubber-drier or pressure washer.

531

■ fluorescent pink

Dosage:
1 to 20 %
pH to 5 %: < 11

2531i2	1 l container
2531J1	5 kg jerrycan
253101	20 kg drum
2531U2	200 kg metal drum



ORANET S+

NON FOAMING

Very powerful multi-purpose cleaner for scrubber-driers and high-speed or ultrasonic cleaning equipment. Does not foam, even under heavy agitation. Biodegradable. Used for difficult factory cleaning operations: floors, tiles, changing rooms etc.

533

■ orange-yellow

Dosage:
2 to 15 %
8 % MAL
pH: 10,5



2533i2	1 l container
253301	20 l drum
2533U2	200 l drum

MECAMATIC

SUPER ALKALINE LIQUID DETERGENT

Cleaning and renovation of very greasy and dirty surfaces. Floor cleaning in petrol stations, garages, stills, distillers in the food processing industry. Reserved for professional use. Used neat or diluted. Recommended for use in washing machines.

9062



colourless
liquid
pH to 10%: 13-14

29062J1	5 l jerrycan
2906201	20 l drum
2906205	60 l drum



ALKALINE DETERGENTS

ORANET M METAL PARTS

532

Powerful detergent for use on unpainted metal. Cleaning of vehicle bodies, housings, machine frames, mechanical parts. Can be used with a brush, in a bath or with a pressure washer. Perfectly cleans water-based paints and inks.



■ **yellow**
Dosage: **0,5 to 20 %**
pH: **< 9,8**

2532i2	1 l container
2532J1	5 kg jerrycan
253201	20 kg drum
253205	60 kg drum
2532U2	200 kg metal drum

ORANET M25 READY-TO-USE DETERGENT



ENVIRONMENTAL FRIENDLY

5325



■ **yellow**
pH: **< 9,5**



2532501	20 kg drum
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ORANET F DEGREASING CLEANER FOR BIOLOGICAL PARTS WASHER

536

Aqueous degreaser for all metal mechanical parts to be degreased with parts washer. To use with ORAZYM microorganisms 5327.



colourless
Dosage: **pure**
pH: **< 9,8**



253601	20 l drum
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ORAZYM CONCENTRATE OF MICROORGANISMS

5327

Helps continuously break down the oil and grease in biological parts washers. Non-pathogenic microorganisms. ORAZYM contains microorganisms which constantly regenerate the bath via the BIOREMEDIATION process. Destroys and eliminates fatty residues in water-based parts washer basins. VOC-free. Dissolves grease, oil, sludge etc. Reduces the unpleasant odours of parts washers.

■ **blue tablets**
T°: **5 to 45°C**



25327B7	tubs of 10 tablets
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QUICK SOL HP EXTREMELY POWERFUL DETERGENT

9083

Very powerful liquid detergent and nicely perfumed. The complex formula combines a powerful detergent with a solvent to produce an extremely effective product. Dissolves and removes all traces of greasy deposits with amazing efficiency.



■ **fluorescent orange**
Scent: **pine**
pH to 10%: **12-13**
Dosage: **3 to 30 %**



29083i2	1 l container
29083J1	5 l jerrycan
2908301	20 l drum
2908305	60 l drum
29083U2	200 l metal drum

CITRON GP CITRUS EXTRACT DETERGENT

9030

Scented liquid detergent for the effective cleaning of warehouses, garages, hangars, commercial premises, etc. Recommended for underground car parks and markets.

■ **orange florescent**
Scent: **orange**
pH: **12-13**
Dosage: **5 to 30 %**

2903001	20 l drum
2903005	60 l drum
29030U2	200 l drum

NEUTRAL DETERGENTS

ORANET N PH NEUTRAL DETERGENT

537

Multi-purpose, VOC-free mild liquid detergent. Cleaning of lorry and car bodies, tarpaulins, painted surfaces, floors, machine frames, regular maintenance of aluminium parts, etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.

■ **translucent blue**
Scent: **fresh marine**
pH (pure product): **7,5**
Dosage: **5 to 40 %**

2537J1	5 l jerrycan
2537U2	200 l drum

NEUTRALISING POWDER ACID POWDER

15156

Acid powder designed to neutralise alkaline pH cleaning baths prior to disposal or treatment. Non-corrosive powder. Easy to use. Rapidly and effectively neutralises baths with a pH ranging from 8 to 14. Recommended dose: approximately 5 kg for 400 litres (see TDS).



■ **white powder**
Completely water soluble

215156S1	5 kg tub
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PENETRATE & RELEASE



CLEAN

USE

LUBRICATE

ASSEMBLE

PROTECT

ACID DETERGENTS

DELICAL

C027

FOOD EQUIPMENT DESCALER

Liquid descaler for water circuit and various materials, for food and agro-food industries (drinks dispenser, dishwasher...). Formula without hydrochloric acid, with a colour indicator to validate the operation efficiency.



■ yellow
pH: 1

C027/0001	1 l can
C027/0005	5 l can
C027/0030	30 kg drum

ORARENOV

535

ALUMINIUM STAINLESS STEEL RESTORER/STRIPPER

Removes greasy deposits and surface oxidation from metallic parts. Ideal for aluminium and stainless steel cleaning and maintenance. Excellent stripping compound. Ready to use. Can be used diluted.



colourless
pH: <1

2535i2	1 kg container
2535J1	5 kg jerrycan
2535U2	200 kg drum

CLEAN

ORATARTRE

962

POWERFUL DESCALER

Non-flammable scale remover for all industrial devices, pipes, boilers, heat exchangers, heating coils, heater tanks. Does not cause metal oxidation, dissolves limescale deposits. Dissolves also cement stains, cleans tile joints, concrete mixer. Ready to use. Can be used diluted in water.

■ yellow
pH: <1

2962i2	1 kg container
2962J1	5 kg jerrycan
296201	20 kg drum
2962U2	200 kg drum



RUST AND CONCRETE REMOVER

744

EXTRA-STRENGTH DESCALER

Concentrated descaler for all industrial devices, pipes, boilers, heat exchangers, heating coils, tanks, radiators. Dissolves even the thickest limescale deposits. Dissolves cement stains, cleans tile joints, concrete mixer, masonry tools. Excellent stripping compound for all metals subject to surface oxidation. Ready to use. Can be used diluted.

pH: <1

2744J1	5 kg jerrycan
274401	20 kg drum
2744U2	200 kg drum

ORANGE CRÈME +

CITRUS

Orange extract hand soap (solvent-free) with pumice stone for in-depth cleaning. Softens the skin, contains plant-based surfactants, glycerin and talcum powder. Very effective for cleaning grease, oil, asphalt, ink, paint, and rust.



5802



■ orange
Scent: citrus
Complies with the
NFT 73-101
standard

25802J1	5 l jerrycan
25802KE	Box 18 x 5 l jerrycan



ORAMOISS

5805

WATERLESS

Smooth, solvent-free foaming cleaner cleans hands without water and without drying. Ideal for sites that are far from water sources. Cleans hands without irritating them; does not leave hands greasy or dry. Smooth white foam, pleasantly scented, neutral pH, paraben-free and solvent-free. Economical: a small dab of cream is enough to remove the dirt. Ideal for sites that are far from water sources.

■ white
foam
Scent: citrus
pH: neutral

45805A1	210/150 ml aerosol
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VSS POWDER

959

Degreases and removes: ink, sludge, grease, oil, petrol, etc. Biodegradable cleaner made from pine cellulose and essential lavender and glycerin oils. Leaves the hands feeling soft. Suitable for all trades. Bucket size ideal for work site vehicles.

■ brown
Scent: lavender

2959S1	5 l bucket
295902	30 l drum
ACC007	Wall dispenser
700030	Armed support
700074	Shovel



HAND CLEANERS

ULTRA CLEAN CLEANING WIPES



575

Wipes impregnated with a refreshing cleaning solution for the effective degreasing of hands and tools that have been heavily soiled by oil, grease, ink, paint, grass, diesel, etc. Cleans and leaves a pleasant scent on the hands. No rinsing required. Ideal for sites with no water.

Scent: tangerine

5575S10	Tubs of 150 wipes
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NEW
SIZE

PHOSPHATING

ORAPHOS 50

963

PHOSPHATE TREATMENT DEGREASER

Phosphate treatment and degreasing cleaner for all metal parts. The phosphate treatment protects against rust, is long-lasting and can be painted over. Metallurgical, boiler-making and automotive industries, amongst others.

■ yellow
pH: <1
Dosage: 10 %

2963i2	1 kg container
2963J1	5 kg jerrycan
296305	60 kg drum
2963U2	200 kg drum



ORAPHOS 60

964

PHOSPHATE TREATMENT RUST REMOVER

Phosphate treatment and rust removing cleaner. The phosphate treatment protects against rust, is long-lasting and can be painted over. Avoids the need for sand blasting or shot blasting. For renovating tanks, girders and a range of frames in the metallurgical, boiler making and automotive industries, amongst others. Can be used hot.

colourless
pH: <2,5
Dosage:
20 to 50 %

2964i2	1 kg container
296401	20 kg drum
2964U2	200 kg drum

SPECIAL CLEANERS

BRILLINOX

586

STAINLESS STEEL POLISHER AND RESTORER

Removes greasy films and stains while giving a lasting shine to cleaned surfaces: stainless steel, chrome etc. Polishing and protective properties. Dairies, breweries, machine frames, stainless steel structures, etc. Apply a small amount of product onto a cloth and start polishing. Polishing and protective properties.



colourless
Scent:
light orange

4586A4	650 ml aerosol
2586J1	5 l jerrycan
2586U2	200 l drum



ACTI'SEPTYL

589

DECONTAMINATING CLEANING AGENT

Multi-purpose 6-in-1 product: Kills viruses, bacteria, algae and fungi, decontaminates and cleans. For cleaning, disinfecting* and decontaminating areas where foodstuffs are handled (fishmongers, canning plants, sugar refineries, beverage companies, etc.) or animals are present, hospitals, local authority facilities, campsites and swimming pools.



colourless
pH: 12,9
Dosage: 0,01 to
4 %

2589J1	5 l jerrycan
2589U2	200 l drum

* Use biocides with care.
Always read the label and product information before use.

CODE 79

579

DRAIN UNBLOCKER

Destroys and eliminates all blockages consisting of fibres, fatty substances, hair, cotton wool, human and animal hairs, organic compounds, sponges, cigarette butts, etc. Used to unblock wastes from sinks, washbasins, toilets, etc. and suitable for plumbing, sanitation and maintenance purposes. The very high density of this product provides an additional mechanical action on the blockage. No effect on septic tanks. For professional use. Do not use on white PVC.



■ dark
Density: 1,82

400021	1 l container
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NOVAL

NEW

ALUMINUM RENOVATOR, STRIPPING OF WELDING CORDS

Removes stains and restores the aluminum's original luster. Particularly suitable for cleaning weld seams and removing raw oxidation ... NOVAL acts alone without rubbing. It degreases and rinses in a single operation.

C067

colourless
Density : 1,14

C067/005	5 l jerrycan
C067/0060	60 l drum
C067/0210	220 l drum

OURAGAN

5152

ALL IN ONE

Ready-to-use, multi-purpose disinfecting and deodorising detergent. Cleans and degreases all surfaces. For use in offices, workshops, changing rooms, kitchens, etc. Compliant with the EN 1040 and EN 1276 standards - bactericidal after 5 minutes - and the EN 1275 and EN 1650 standards - fungicidal in 15 minutes.



■ yellow green
Clear liquid
Scent: menthol
eucalyptus
pH: 13,4

25152i1	500 ml spray bottle
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COILTRON

9031

RESTORER FOR AIR CONDITIONING COILS

Uses natural condensation to remove the dirt (grease, oil, lint, etc.) which is responsible for poor performance. Cleans and helps maintain optimal heating and cooling efficiency without excessive use of energy. Spray directly into coil fins and filters diluted in water at a 1/3 ratio.

■ orange
Scent: mint
pH diluted
to 10%: 10
Dosage: 1/3

2903101	20 l drum
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SPECIAL CLEANERS

AQUATRON S220

9011

HEATING AND COOLING EQUIPMENT DESCALER

Eliminates limescale, rust and sludge from condensers, air cooling towers, pipes etc. in industrial environments. Contains a colour indicator for checking that all the limescale has been removed. Use a 1/10 dilution for corrective maintenance or 1/20 dilution for preventive maintenance.



■ yellow
pH: 1
Dosage: 1/10
to 1/20

29011J1	5 l jerrycan
2901101	20 l drum
2901105	60 l drum

NU-COIL 101

9069

COIL CLEANER

Powerful coil restorer, rapidly disperses greasy and industrial deposits. Also eliminates traces of rust and limescale. Improves performance by eliminating the layers responsible for energy loss.

colourless
pH: 13

2906901	20 l drum
29069U2	248 kg/200 l drum

CLEAN

POLYSTAR

NEW

WATERLESS WASH AND WAX

Product allows you to wash the exterior of your vehicle without water, while waxing during the same application. Simple, fast, unique and easy action letting you enjoy a clean, shiny vehicle, protected against discolouration caused by UV rays. It removes tar spots, mosquitos, petrol and diesel drips, bird droppings, tree sap, pollution fallout, road film...



593



■ white cream
pH : 9
Density : 0.95

4593A5	800 ml aerosol
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NET MOUSS

5002

CLEANING FOAM

Cleaning foam for every supports. Computers, TV, laminated piece of furniture, luminous signs, plastic or metallic bumpers, photocopiers... Designed for heavily soiled surfaces, metallic or PVC construction.



■ white foam



45002A4	650 ml aerosol
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NET'ECRAN

502

CLEANING FOAM FOR GLASS SURFACES

Antistatic cleaner for all glass surfaces, screens, office equipment, computer screens, photocopier glass, projectors, TV sets, etc. Quickly wipes away after spraying. Wait until surface is dry to plug in again. Screens will become perfectly clean. Compatible with new generation screens.



■ white foam

4502A4	650 ml aerosol
2502J1	5 l jerrycan

SANITOR

9092

CLEANING CREAM

Slightly abrasive lotion for the cleaning of plastic, metal, composite surfaces, industrial glass, leisure, DIY and domestic applications. Cleans, deodorises, polishes and shines all types of surface, even the most fragile.



■ pink cream
pH: 7,5 - 8,5



29092i2	1 l container
2909201	20 l drum

NET'DEX

501

ELECTRICAL CONTACT CLEANER

To be sprayed for cleaning and oxidation removal of electrical contacts. No risk for electrical devices. Excellent cleaner and degreaser for all electrical mechanisms (Power down). Let it dry after use.



4501A4	650 ml aerosol TDS
2501J1	5 l jerrycan
2501U2	200 l drum

SPECIAL CLEANERS

EXTERIOR AIRCRAFT CLEANER A4423**CLEANER FOR AIRCRAFTS EXTERNAL SURFACES**

Powerful multifunction detergent, designed for cleaning aircraft exteriors using wet washing or foam cleaning methods. Removes oil stains, grease stains and all dirt without a trace.



■ Light yellow
pH 1%: 10,8

A442302 25 l drum
A4423U2 205 l drum

TAKrag® 1070XL YELLOW D3062Y**ANTI-DUST WIPES**

This wipe has been especially designed for paint shops. These textile cleaning wipes are impregnated with a specific high quality resin which absorbs all dusts.



■ yellow
■ black
Dimensions:
40 x 60 cm

NEW
IN BLACK

D3062Y-100X2 box of 200 wipes (100 bags of 2)
D3062Y-50X10 box of 500 wipes (50 bags of 10)

SOUFFLEUR 2 9502**COMPRESSED AIR**

Dust-removing aerosol with adjustable nozzle for printers, keyboards, optical readers, photos, videos, photocopiers, mechanical parts, etc. Mini compressed air duster that cleans without water. Dries all electro-mechanical equipment. Leaves parts perfectly dry after use.

Pressure: 6 bars



49502A4 650/500 ml aerosol

GIVREUR 2 9512**COLD GENERATOR**

Generates intense cold. Multi-positions. De-seizes by thermal shock. Used in the IT industry to cool microprocessors and overheated hardware. Enables the detection of printed circuit board failures. Can also be used with mechanical devices to retract parts and allow shrink-fitting.

T°: -52 °C



49512A4 650/500 ml aerosol

RENOV'PLASTIQUE 525**SILICONE-FREE**

Give your car interior a makeover with RENOV'PLASTIQUE. Revives and rejuvenates the appearance of your dashboard, giving it back its factory-fresh shine, all without polishing. Repels dust and has a pleasant fragrance.

Scent: orange



4525A4 650 ml aerosol

NET'CLIM 5496**CLEANS, DISINFECTS AND PERFUMES**

Powerful disinfectant with a bactericidal action and very long-lasting and pleasant minty scent. NET CLIM is suitable for all air conditioning systems, including those found in cars, lorries, buses, offices, waiting rooms, etc. Microbiological activity in accordance with the AFNOR 72, 150 standard - Tested by the Pasteur Institute. Bactericidal activity compliant with E.N. 1040 after 5 mins at 20°C. Supplied with the 57cm extension and omnidirectional diffuser.

colourless
Scent: mint



45496A2 520 ml aerosol

PROTECTEUR ARMES G.C C647**PROTECTOR FOR FIREARMS CANNONS**

Hydrophobic product, repels humidity, gives protection against oxidation and corrosion to the surfaces. It can be used for other metallic parts protection. Non-corrosive to steel, cast iron, aluminium, copper, zinc, stainless steel. It is also compatible with plastics such as lyethylene, polypropylene and PVC.

colourless
Clear liquid

C647/0012 650 ml aerosol

AV 33 813**FIREARM CLEANER**

Cleans, prevents corrosion and lubricates the firing pin, bore, breech, muzzle, barrel, trigger, bolt, rifling, striker, etc. Neutralises and eliminates powder combustion residue. For all firearms: shooting sports, armed forces, police, customs, etc. For preventive and curative applications.



■ homogeneous
yellow
Clear liquid
T°: -60 to +200°C



4813A8 270 ml aerosol TDS
2813i1 500 ml spray bottle
2813i1 5 l jerrycan





CT14
602
MULTI-PURPOSE, LITHIUM BASED

OWASHER
Compact
BIOLOGICAL PARTS WASHERS

ORAF-LON AL
707
FOOD GRADE PTFE OIL

Freinage moyen
303
MEDIUM RESISTANCE THREAD LOCKER

WV5
805
5 FUNCTION
OVER 1000 USES



USE

DEGREASE
CLEAN
WASH



OWASHER

New generation of Biological Parts Washer

by 

BIOLOGICAL PERFORMANCE

Biological parts washers clean your parts without any solvent by respecting the user's health and the environment.

The biological parts washer works with the principle of natural regeneration which use the microorganisms to simply transform pollutants into food and energy sources.

This process ensures a cost effective degreasing solution.



OPERATOR'S HEALTH

Solvent free.
Optimal hygiene and safety conditions.



SAVINGS

Consumable cost control. Microorganisms constantly regenerate the bath: no frequent bath draining.



ENVIRONMENT

Minimize waste and protect the environment.

PLASTICS

BIOLOGICAL PARTS WASHER OWASHER

The parts washer keeps the bath warm at 38°C, it is equipped with several cleaning options (brush, soaking), with a stainless steel filtration system and oxygenation system.

Microorganisms constantly regenerate the bath: no frequent bath draining and you minimize the waste disposal costs.

	1 700091XXS	2 700091
Part Washer dimension (width x length x height, mm)	822 x 530 x 1050	905 x 650 x 1 110
Cleaning table dimension (width x length x height, mm)	550 x 430 x 150	790 x 420 x 180
Tray useful size (width x length x height, mm)	260 x 240 x 80	790 x 420 x 90
Tank Volume (Litre)	40	60 to 100
Soaking Capacity (Litre)	4	31
Payload (kg)	30	100

Hose + brush CSEQF0000111-3

Filters CSEQF0000125

Brush CSEQF0000102-3

Others Contact us



ORANET F & ORAZYM

STAINLESS STEEL

DEGREASING PARTS WASHER

Heated washer made of stainless steel for use with ORAPI's ORANET M532. Can be used with or without additional enzymes (biological action). Has a hot bath closing lid, which prevents evaporation loss.

	1 700085	2 700085XL	3 700085XXL
Part Washer dimension (width x length x height, mm)	845 x 640 x 1020	1280 x 700 x 1020	1600 x 700 x 1020
Worktray (mm)	890	890	890
Bath volume (L)	80 to 100	80 to 100	80 to 100
Max load (kg)	40	40	40
Washing chamber (L)	~50	~50	~50



ORANET M

WASHING MACHINES

WASHING MACHINE

Degreasing parts washer that cleans and degreases parts placed in the basket.

	1 700084	2 700084-740	3 700084-1140
Washing machine dimension (L x l x H mm)	700 x 900 x 900	1035 x 955 x 1130	1470 x 1355 x 1320
Basket diameter (mm)	600	740	1140
Bath volume (L)	70	90	210
Permissible load* (kg)	100	400	400



ORANET S+

*Load uniformly distributed in the basket.

Non-contractual photos. 1 year warranty with an advised use of ORAPI products.

TRADITIONAL SOLVENTS PARTS WASHER

700051

DEGREASING PARTS WASHER

Pump parts washer designed for use with solvents.

Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via a pneumatic pump. Recovers the product when the clean parts are drained.

Designed to be placed directly onto a 200 l drum (Can be used on smaller 60 l drums with the 700057 adapter).

Pump parts washer	700051
Replacement pumping system*	700055
Replacement hose	7RACCORD
Brush	700056



700050

DEGREASING PARTS WASHER ELECTRICAL PARTS WASHER DESIGNED FOR USE WITH SOLVENTS

Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via an electrical pump. Recovers the product when the clean parts are drained.

Designed to be placed directly onto a 200 l drum (Can be used on smaller 60 l drums with the 700057 adapter).

Electrical parts washer	700050
Replacement pumping system*	700053



*Pumping systems comes with: vacuum hose + strainer, pump, distribution hose + brush

40 L MIXED PARTS WASHER

700061

DEGREASING PARTS WASHER 40 LITRES ELECTRICAL PARTS WASHER

Ideal parts washer for maintenance workshops. Can be moved from one workshop to another easily. Designed to be used with 40 l of solvent or detergent, which limits chemical risks. Speeds up cleaning by using a hollow brush continuously filled with product via an electrical pump, and a soaking basin. Recovers the product when the clean parts are drained. Easy to drain.

Electrical parts washer	700061
Rubber hose	700079
Pump	700066
Brush	700056



TRADITIONAL DETERGENT PARTS WASHER

700057
ADAPTER


ORANET M

700058
**DEGREASING PARTS WASHER
DESIGNED FOR USE WITH DETERGENTS**

Ideal system combining safety of operation and protection of the environment: no heating, no electricity. Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via a pneumatic pump. Recovers the product when the clean parts are drained.

Electrical parts washer	700058
Replacement detergent pump*	700064
Adapter	700057

HIGH PRESSURE PART WASHER

700089
HIGH PRESSURE HEATING PART WASHER

A solid, full stainless steel structure. Equipped with a membrane pump, an electric pump, a resistor and a filtration system. Totally enclosed system which doesn't require specific protection for the users. Provides quick degreasing even for the most complex parts.

Part washer:

Length: 70 cm
Width: 90 cm
Height: 162,5 cm
Pump flow: 20 litres/minutes
Tank capacity: 90 l
heating temperature: up to 50°C

Working plan:

Width: 84 cm
Length: 64 cm
40 kg capacity
Pressure: 24 bars



ORANET M



BRAKE WASHER - SOLVENT

700097
BRAKE WASHER - SOLVENT

The brake washer for heavyweights is equipped with a pneumatic pump, spraying, a multi-jet self-cleaning brush with an adjustable flow and a flat-head low-pressure air dryer.

Dimension: 575 x 775 x 280 mm
Tank volume: 40 litres
Pump flow: 7,6 litres to 5,5 bars
Congestion: folding handle
Additional tray: anti-wave interior system.
Tare weight : 25 kg



BRAKE WASHER – LESSIVIELLE

700099
BRAKE WASHER LESSIVIEL AND SOLVENT

The brake washer is fully designed in stainless steel, it adapts itself to all washing situations. This mobile part washer avoids solvent spills and captures dusts and fibres into its washing solution, in order to protect operators' health.

Dimension : 750 x 600 x 1030 mm
Tray volume: 750 x 1500 x 100 mm
Tank capacity : 30 L
Weight : 30 kg
Maximum load: 30 kg
Air supply pressure: 6-10 bar



LUBRICATE

OILS
GREASES
PASTES
VARNISHES
POWDERS



WHY LUBRICATE?

- 1 To reduce friction
- 2 Reduce overheating
- 3 Reduce wear
- 4 Prevent corrosion
- 5 Improve efficiency
- 6 Extend the life of mechanisms

HOW TO LUBRICATE?

ORAPI's tribologists are there to advise you.

Friction can be reduced in a number of ways; ORAPI offers 4 types of product to cover all your requirements.

1 - OILS

In-depth lubrication in complex mechanisms (chains) or closed mechanisms (gearboxes) requires the use of oil.

The main benefit is the natural elimination of the heat energy generated by friction which affects the smooth running of the machines. We also offer a range of oils for metal working.

Our engineers can provide you with 2 types of viscoplastic solution, which they recommend for use in mechanisms where oil cannot be contained.

3 - GREASES

More than 80 different types of grease have been developed to respond to all the requirements of our 10,000 customers: speed, heat, humidity, oxidising environments, heavy loads etc.

You can also discover our unique range of greases based on nanotechnologies: NANOLUBRICANTS.

2 - VARNISHES AND POWDERS

"Dry" lubrication is primarily recommended for dust-filled environments and exposure to severe cold down to -200°C.

4 - PASTES

Comprehensive ranges of mounting and anti-seize pastes to keep fretting and tribocorrosion problems to a minimum.

They also help improve thermal and electrical conductivity by using diversified and first-choice mineral fillers in terms of grading and purity: zinc, aluminium, copper, graphite, molybdenum disulphide, ceramic and of course, NANOLUBRICANTS.





FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST

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FAX: +33(0)4 74 40 20 21

CONTACT@ORAPI.COM

FOCUS ON GREASE

ORAPI's tribologists pay particular attention to the selection and use of high-performance additives that they incorporate into our greases.

These can be liquids or solids such as MoS₂, graphite, PTFE and NANOLUBRICANTS and have a significant impact on the performance of the greases by: reducing the friction coefficient, increasing resistance to EP (extreme pressure), minimising material wear, improving adhesion, protecting against the premature oxidation of the grease, protecting metals against corrosion, etc.



GRADES

Penetration at 25°C

MECHANISM TO BE LUBRICATED	CENTRALISED GREASING	GEARS	BEARINGS	SEALING
Type of grease	Fluid grease	Soft grease	Standard grease	Thick grease
NLGI grade no. (tenths of mm)	0-00	1	2	3
	355-430	310-340	265-295	220-250

The grade varies depending on the temperature.

The grade increases for cold work - The grade decreases for hot work (the grease softens).

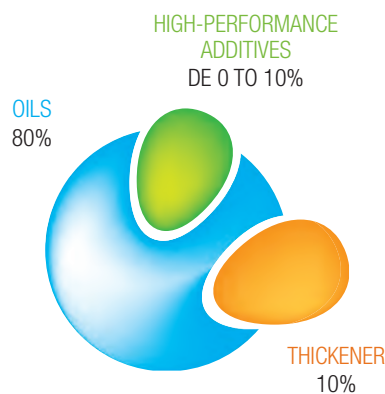
COMPOSITION

Grease consists of **3 components**

The combined characteristics of these 3 components give grease its own characteristics.

The ratios are different for a paste:

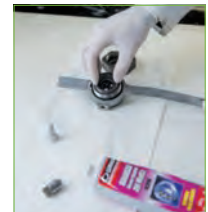
High-performance additives (solids) can reach 60%



PERFORMANCE

Grease performance is assessed by 2 tests:

- Extreme pressure: 4-ball test: load resistance of the lubricating film 40 to 800 kg. Result in kg.



- Anti-wear test
Wear resistance 40 kg / 1 hour. Result in mm.

OILS

These can be mineral or synthetic. Synthetic lubricants currently represent only a small percentage of the overall lubrication market, but this proportion is rising.

THICKENERS

Help obtain the desired consistency thanks to simple or complex soaps, or silica, bentone or polyurea.

DRY LUBRICATION

MOLYSPRAY

MOLYBDENUM DISULPHIDE - MOS2

Treatment and pre-treatment of all mechanisms and parts requiring assembly. Dry lubrication of small mechanisms. Facilitates running-in. The spray application gives a uniform layer. Works very well in extreme cold weather and dusty atmospheres.



700



■ Dark grey
T°: -200 to +450°C



4700A4 650 ml aerosol

GRAPHENE

GRAPHITE

For the pre-treatment of surfaces or parts subject to very high temperatures or dusty atmospheres. Dries at room temperature. Excellent resistance of dry film. For stainless steel assembly with itself, tin mould releasing. Lubrication of runners, rods, glass etc.

702



■ black
T°: -70 to +900°C
Grading: 5 µm
PMUC: 04-0104



47022A2 405 ml aerosol (non-flammable)
4702A4 650 ml aerosol
6702A4 PMUC 650 ml aerosol

TEFLISS 2

PTFE

Clean and dry PTFE-based lubricant. With a very low friction coefficient. Water repellent, does not stain. For all mechanisms requiring a thin layer of micronised PTFE: sliding panels, saw blades, runners, conveyor belts, rotary and sliding joints, copying machines, reels etc.

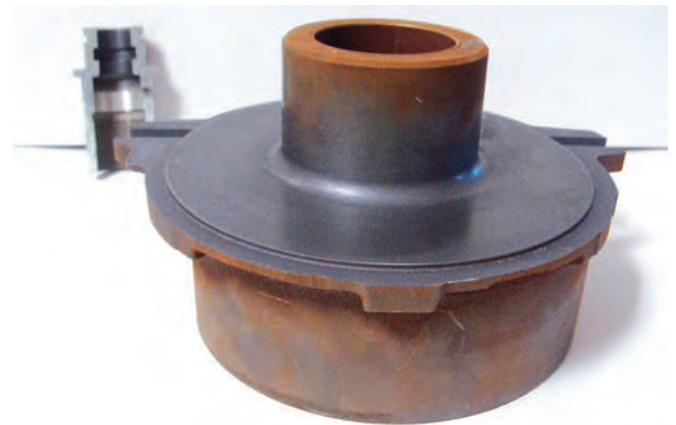
701



■ white
T°: -120 to +250°C



4701A4 650 ml aerosol



BULK POWDERS

POUDRE 2115

POWDER GRAPHITE

Micronised graphite powder. To be used pure, as additive to lubricants, plastics... in order to increase their efficiency. Electrical conductor. Excellent dry lubricant for low and high temperatures and dusty atmospheres.

721

■ black
T°: -70 to +900°C
Grading: 5 to 7 µm



3721S3 1 kg tub
3721H4 15 kg bag

POUDRE PTFE

PTFE POWDER

Dry lubricant based on purified and micronised PTFE. Excellent lubricant properties. Highly inert towards chemicals, compatible with rubbers. Sliding agent for assemblies (joints, fasteners, valves). Dry lubrication in case of extreme conditions. Additive for lubricants.

645



■ creamy white
T°: -120 to +250°C
Grading: 1 to 7 µm



3645B7 1 kg tin



OR 05

MOLYBDENUM DISULPHIDE POWDER

To be applied with leather cloth, brush, or drum on rectified pieces, superficially thematically treated. Sticks to metal and leaves a dry lubricating film. Facilitates running-in. Can be used for pieces pre-treatment.

724



■ black
T°: -200 to +450°C
Grading: 0,6 µm



3724B7 1 kg tin
3724S1 5 kg tub
3724U0 100 kg drum

VARNISH

VERGRAF

704

GRAPHITE-BASED DRY VARNISH

Dry graphite-based varnish designed to reduce the friction coefficient on all types of surface. Dries at room temperature.

For pre-treatment of surfaces and pieces submitted to high temperatures in dusty atmosphere.

Lubrication of runners, cylinder rods, hinges, foundry moulds, glass etc. Particularly suitable for combating fretting wear.

■ black
T°: -70 to +900°C
Grading:
5 µm



4704A4 650 ml aerosol

A2ON NF

717

HALOGEN-FREE GRAPHITE VARNISH

Colloidal dispersion of micronised graphite in a binder. Forms a dry, smooth and adherent lubricating film. Resists to abrasion and gives metallic moving parts an excellent lubrication. Facilitates assembling and enables non-destructive dismantling. In particular stainless steel/stainless steel assemblies. Ideal in dusty atmospheres and for applications in very cold environments.



■ black
T°: -70 to +900°C
Cl - F - S - Br :
< 200 ppm
PMUC: 04-0106



6717i2 1 l container

GRAPHITE WB

7042

NON-FLAMMABLE GRAPHITE DRY DUBRICANT

This odourless and non-toxic water-based product is designed to be used as pre-treatment for forging, stamping and lubrication of some mechanisms.

■ black
T°: -70 to +900°C
Grading :
< 10 µm

47042A4 650 ml aerosol



VER L 149/7

8287

WATER-BASED PTFE VARNISH

Water-based PTFE bonded coating designed to reduce the friction coefficient on all types of surface. Particularly suitable for protection against fretting wear. Extremely durable treatment thanks to its plasticity. Treatment of mechanical pieces in steel, aluminium, plastic, polymer. Used for the lifetime lubrication of plastic mechanisms in the electricity industry.

■ blue
pH: >9,5
Density: 1,31
ES: 51%

28287J1 5 kg jerrycan

EMOS 60

720

MOS2 THERMOSETTING VARNISH

Dry MoS₂ lubricant based on thermosetting resins. Lubricates and protects all metal surfaces against oxidation; withstands solvents and acids. Excellent salt spray resistance. Excellent dry lubricant for gears, cylinders, jacks, threaded screws, pinions, racks, screws etc. Aeronautical equipment, lifetime lubrication of all hinges exposed to low temperatures and particle-charged environments.



■ black
T°: -100 to +250°C
Viscosity:
80 ± 10 cP
Grading:
6 µm
Setting: 160°C
40 minutes

3720B7 1 kg tin
3719i2 1 l container (diluent)

VIMOS 70

726

MOS2 VARNISH

Dry lubricating coating for all metals and plastics. Protect from oxidation. Not soluble in solvents and hydrocarbons. Polymerises at room temperature. Excellent dry lubricant for threaded pieces, spigots, small gearings, hinges, any mechanism in dusty atmosphere. Lubrication of valves and military hinges submitted to extreme cold. Efficient even on mechanism operating very occasionally.



T°: -100 to +150°C
Viscosity:
400 ± 100 cP
Grading:
6 µm

3726B7 1 kg tin
3719i2 1 l container (diluent)
3719J1 5 l jerrycan (diluent)

PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

ANTI-SEIZE PASTES

LM 20

614

GRAPHITE-BASED

Exceptional adhesion, prevents oxidation, ensures perfect sealing of gaskets and connections. Lubrication of mechanisms, joints, taps, valves, bearings, operating in humid environments and at high temperatures. Facilitates assembling and disassembling.

■ black
T°: -40 to +900°C
4-ball EP:
400 kg

3614T4	200 g tube
3614B7	1 kg tin
3614O2	25 kg drum
3614U1	180 kg drum

LM 50

604

HIGH-CONCENTRATION GRAPHITE

Graphite assembly paste, stable at very high temperatures. For axles, sleeve fittings, hinges, rollers, oven doors, forging and foundry tools etc. Facilitates assembly and dismantling thanks to its high graphite content.

■ black
T°: -40 to +900°C

3604B7	1 kg tin
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GRN

613

HALOGEN-FREE GRAPHITE

Chlorine-free, sulphur-free and fluorine-free anti seize paste, stable at high temperatures. Mechanical assemblies. Facilitates the running-in and dismantling of parts.



■ black
T°: -80 to +900°C
4-ball EP:
250 kg
Cl - F - S - Br :
< 200 ppm
PMUC: 04-016

6613A4	650 ml aerosol
6613T4	200 g tube
6613B6	500 g tin

MOB 30

610

MoS2 / GRAPHITE

Easy to use, for surface pre-treatment and mid-greasy lubrication, before mounting; for all mechanisms and parts that need to be lubricated afterwards. It makes mounting and breaking in easier. Mechanical warehouses, maintenance services.



■ black
T°: -40 to +450°C

3610T4	200 g tube
3610B7	1 kg tin

PATE SPRAY

603

MOS2 IN A THIN LAYER

Easy-to-use spray can for the application of MoS2 paste in thin and precise layers. Reinforced extreme pressure power. Lubrication of tooling, for all mounting and mechanical parts.



■ black
T°: -40 to +450°C

4603A4	650 ml aerosol
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MOB 60

611

MOS2 HIGH-CONCENTRATION GRAPHITE

Strong formula. Mechanics use this paste for the most difficult fixings. For breaking in and pretreatment, use this paste with a leather cloth or with a brush. Strong resistance to extreme pressure. For all hard assembly. Prevents fretting corrosion. Mechanical workshops, fixing, maintenance.



■ black
T°: -60 to +450°C

3611T4	200 g tube
3611B7	1 kg tin

ANTI-SEIZE PASTES

NANOLUBRICANT® 2015

HIGH TECHNOLOGY

Mounting, assembly and surface treatment paste. Protects against corrosion, seizing and wear caused by micro-movements. Prevents welding problems and all types of corrosion thanks to the Rebinder effect.



■ black
T°: -40 to +300°C

42015A4	650 ml aerosol
32015B3	200 g tin with brush
32015B7	1 kg tin
3201551	5 kg tub

NANOLUBRICANT® 2030

WHITE, HIGH TECHNOLOGY

Anti-seize paste specifically developed for applications in the food industry or when a clean paste is required. Resulting from ORAPI's NANOLUBRICANT® technology, this paste has outstanding anti-wear and anti-seize properties, 3 to 10 times greater than standard market pastes.



■ white
T°: +150°C
NLGI Grade: 1

32030B7	1 kg box
32030S1	5 kg tub

NANOLUBRICANT® 2040

WHITE, WATERPROOF

Clean mounting, assembly and surface treatment paste. Protects against corrosion, seizing and wear caused by micro-movements and inclement weather. Withstands high temperatures and facilitates dismantling. Good adhesive properties, does not run.



■ white
T°: -60 to +200°C
4-ball EP:
800 kg
Wear: <0,4 mm

42040A4	650 ml aerosol
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BA 640

FOOD INDUSTRY

White and clean assembly and mounting paste. Contains very high technology lubricating powders. Does not stain. Product especially formulated for maintenance workshops. To treat tooling, tools, pieces working at high temperatures: plastic moulds, in food industry, in paper mills...



■ white
T°: -25 to +1000°C

3640T4	200 g tube
3640B7	1 kg tin

NB PMUC 643

WHITE, HALOGEN-FREE

Anti-seize boron nitride paste for assemblies exposed to very high temperatures. Mounting of all assembled parts that will need to be dismantled easily. Chlorine-free, fluorine-free, sulphur-free.



■ white
T°: -80 to +1400°C
Cl - F - S - Br :
< 200 ppl
PMUC: 04-0107

6643B4	Tin with brush 250 ml
6643B6	500 g tin
6643A4	650 ml aerosol

COPA 1100 679

COPPER / GRAPHITE

Copper and graphite assembly and mounting paste for heavy loads and very high temperatures. Excellent anti seize resistance between steel / steel surfaces submitted to high pressures, easy to apply, very sticky, resists water, vapour and aggressive atmospheres. Threads, fastenings, bolting, gaskets.

■ black
T°: -60 to +1500°C

3679T4	200 g tube
3679B7	1 kg tin

HT 600 601

ALUMINIUM

Contains a special base and micronised aluminium. Particularly effective for treating: tools, axles, rollers, slow movements and any part that must be dismantled.



■ aluminium grey
T°: -40 to +650°C

4601A4	650 ml aerosol
3601T4	200 g tube
3601B4	250 ml tin with brush
3601B7	1 kg tin
3601S1	5 kg tub
3601O4	50 kg drum
3601U2	200 kg drum



ANTI-SEIZE PASTES

TM 900S

COPPER

Copper-based assembly paste for surface treatment and lubrication. Specifically designed to treat: tools, axles, rollers, slow-moving parts and all parts that will need dismantling. Recommended for pouring nozzles in steelworks. Electrical and thermal conductor.



600



■ copper
T°: -40 to +1100°C

- 4600A4 650 ml aerosol
- 3600B4 250 ml tin with brush
- 3600C4 400 g cartridge
- 3600B7 1 kg tin
- 360002 25 kg drum
- 3600U1 180 kg drum



HT900

COPPER

Anti-seize product formulated to leave a thin lubricating layer. For threaded parts that will need to be assembled and dismantled after being exposed to very high temperatures. Refineries, dyeworks, oven, marine...

637



■ copper
T°: -40 to +1100°C

- 3637T4 200 g tube
- 3637B6 500 g tin
- 3637B7 1 kg tin
- 3637S1 5 kg tub
- 3637U2 200 kg drum



LUBRICATE



HTCU

COPPER

Copper paste specifically designed for the rail sector providing corrosion protection for threaded assemblies on carriages, engines and rail tracks.

647



■ copper
T°: -40 to 1100°C

- 3647T4 200 g tube
- 3647B7SNCF 1 kg tin
- 364704 50 kg drum



THERMALLY CONDUCTIVE PASTES

PC 195

WHITE

Provides sealing and thermal transfer of heat energy while preserving the static and dimensional stability of protected devices. Alternators, starters, electrical and electromechanical devices.

641



■ white
T°: -40 to +200°C
Silicone-based

- 3641E4 30 ml syringe
- 3641C3 300 g cartridge
- 3641B7 1 kg tin
- 364102 25 kg drum
- 364104 50 kg drum



L 362

HIGH EFFICIENCY

Heat-conducting assembly and sealing paste. Any domain where thermal conductivity between two surfaces must be improved, heat energy transfer must be facilitated and the transfer surface area must be increased. Alternators, starters, probes, electrical and electromechanical devices, heat sensors etc. Assembly, lubrication, sealing etc.

6412



■ black
T°: -40 to +180°C
Thermal conductivity:
0.8 W/m.K
NLGI Grade: 3

- 36412C3 300 g cartridge
- 3641202 25 kg drum



CT 10

MULTI-PURPOSE LITHIUM GREASE

EP2 multi-purpose lithium grease suitable for general lubrication, maintenance and the automotive industry in applications that are not overly demanding. Lubrication of chassis, farm equipment, civil engineering equipment, etc.

677

■ light amber
T°: -25 to +130°C
NLGI Grade: 2
4-ball EP:
250 kg
DN Factor:
350 000

- 3677C4 400 g cartridge
- 3677B7 1 kg tin
- 367704 50 kg drum
- 3677U1 180 kg drum



CT 4

MOS2 GREASE

Greasing under very heavy loads, effectively combats wear thanks to its concentration of high quality MoS2. Mechanical construction, automotive industry, arms industry etc. Safe lubrication of bearings.

608



■ grey/black
T°: -30 to +165°C
NLGI Grade: 2
4-ball EP:
315 kg
DN Factor:
350 000

- 4608A4 650 ml aerosol
- 3608T4 200 g tube
- 3608C4 400 g cartridge
- 3608B7 1 kg tin
- 360802 25 kg drum
- 360804 50 kg drum



STANDARD GREASES

CT 12 G

GRAPHITE GREASE

Greasing under very heavy load, fights effectively against wear thanks to the presence of micronised graphite. Has an extremely low coefficient of friction. Humid conditions and mechanisms subject to shocks. Ideal for applications in the automotive industry, trucks and general industry.

625

■ black
T°: -30 to +130°C
NLGI Grade: 2
4-ball EP:
315 kg
DN Factor:
350 000



3625C4	400 g cartridge
3625B7	1 kg tin
3625O2	25 kg drum

CT 14

MULTI-PURPOSE, LITHIUM-BASED

Multi-purpose EP2 grease for bearings and mechanisms subject to heavy loads. Ideal for industrial applications, automobiles, trucks etc.



602



■ light amber
T°: -30 to 165°C
NLGI Grade: 2
4-ball EP:
315 kg
DN Factor:
350 000

4602A4	650 ml aerosol
3602T3	100 g tube
3602C4	400 g cartridge
3602CL	Lube shuttle 400 g
3602B7	1 kg tin
3602S1	5 kg tub
3602O2	25 kg drum
3602O4	50 kg drum



CT 140

FLUID GREASE FOR CENTRALISED LUBRICATION

Multi-purpose fluid EP grease for bearings and mechanisms subject to heavy loads and requiring lubrication via a centralised system. Reinforced protection against extreme pressure and wear. Ideal for applications in the car manufacturing, HGV, and industrial sectors.

680

■ amber
T°: -40 to +165°C
NLGI Grade: 0-00
4-ball EP:
315 kg
DN Factor:
350 000



3680S1	5 kg tub
3680O2	25 kg drum
3680O4	50 kg drum
3680U1	180 kg drum

CT 143

LUBRICATION/SEALING

Valves and taps can be sealed and lubricated in a single operation thanks to the thick, paste like consistency of this product. Multipurpose EP3 grease for bearings and other mechanisms that require a thick grease. Ideal for industrial applications, cars and trucks.

743

■ amber
T°: -30 to +165°C
Drop point:
180
NLGI Grade: 3
4-ball EP:
315 kg
DN Factor:
350 000

3743B7	1 kg tin
3743O4	50 kg drum

CT FLON

PTFE GREASE

Teflon® grease for lubrication under heavy load. Lubricating effect reinforced by Teflon, noise decrease, chemically inert. Ideal for lubrication on plastics. Good water resistance.

607

■ light beige
T°: -20 to 140°C
4-ball EP:
315 kg
DN Factor:
350 000



4607A4	650 ml aerosol
3607C4	400 g cartridge
3607B7	1 kg tin
3607S1	5 kg tub

GRAISSE UNIVERSELLE

CLEAN GREASE

Adhesive, non-drip, odourless, corrosion inhibiting grease, compatible with all materials. Moisture resistant. For doors, locks, hinges, runners, chains, rubber or plastic parts, household appliances, tools etc.

635

■ colourless
T°: -30 to +150°C
Drop point: none
DN Factor:
350 000



4635A4	650 ml aerosol
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ENG CB 612

CABLES/GEARS

Soft grease for cables, gear reducers, bevel and hypoid gears, tooth couplings. Quarries, public works, crushers, ski resorts etc. Excellent anti-wear properties, considerably lengthens the lifespan of gear teeth.

612

■ light brown
T°: -50 to +220°C
4-ball EP:
780 kg
NLGI Grade: 0



4612A4	650 ml aerosol
3612C4	400 g cartridge
3612S1	5 kg tub
3612O5	50 kg drum
3612U1	180 kg drum

CT BIO

BIODEGRADABLE

Multi-purpose grease for outdoor use: locks, barriers, agriculture, forest management, cable cars, public works, port areas etc. Excellent water and storm water resistance.



687

■ green
T°: -25 to +145°C
4-ball EP:
315 kg
DN Factor:
500 000

3687C4	400 g cartridge
3687O2	25 kg drum



PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

SPECIAL GREASES

SPECIAL GREASES

CT 300

628

INFUSIBLE GREASE

Grease with outstanding extreme pressure lubricating properties at high temperatures. Not soluble in water. No drop point, does not run, even if subjected to overheating. Recommended for steelworks: rolling mills, rubber, cardboard, paper industries etc. for main bearings, roller bearings etc.

■ light brown
T°: -40 to +210°C

3628C4	400 g cartridge
3628S1	5 kg tub
362804	50 kg drum
3628U2	180 kg drum



CT 698

698

HYDROCARBON CONTACT GREASE

Lubrication in the presence of petrol and hydrocarbons, loading arms in refineries, vehicle petrol caps. Valve lubrication in the chemical and petrochemical industry.

■ blue
T°: -35 to +75°C
Water resistance: very good

3698C4	400 g cartridge
369804	50 kg drum



CT 520

630

VALVE GREASE FOR THE PETROCHEMICAL INDUSTRY

Sticky highly adhesive grease, especially appropriated for valves and taps in chemical and petrochemical industry, furthermore in very cold areas.

■ white
T°: -26 to +250°C
Drop point: none
Water resistance: very good

3630B7	1 kg tin
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CT 51 NF

629

HALOGEN-FREE

Versatile, multi-purpose grease for all types of mechanism: bearings, hinges, runners etc. Water and solvent resistant.

■ white
T°: -20 to +160°C
Cl - F - S - Br: < 200 ppm
PMUC: 19-0533

6629T3	100 g tube
6629C4	400 g cartridge
6629B7	1 kg tin
662902	25 kg drum



SILVER GREASE

634

ELECTRICALLY CONDUCTIVE GREASE

Lubricant which considerably reduces the wear of electrical contacts while ensuring perfect electrical continuity. For circuit breakers, isolators, switches, braids, etc. Arc resistant.

■ beige
T°: -20 to +250°C

3634B2	250 g tin
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VASCO 15

658

HALOGEN-FREE VASELINE

Chlorine-free, sulphur-free, fluorine-free Vaseline codex grease, specifically designed to lubricate small, delicate mechanisms and joints. Delicate greasing of plastics, ways, cables, grooves, runners, locks.

■ white
T°: -20 to +50°C
NLGI Grade: 4/5
Water resistance: good
Cl - F - S - Br: < 200 ppm
PMUC: 19-084

6658T3	100 g tube
6658B7	1 kg tin



VASCO

657

VASELINE CODEX GREASE

Specifically designed for the lubrication of delicate mechanisms: Textile, food, pharmaceutical, watch making industry etc.

■ white
T°: -20 to +50°C
NLGI Grade: 4/5
Water resistance: good

3657C3	310 ml cartridge
3657B7	1 kg tin
3657S1	5 kg tub



CT 691

691

LUBRICATION OF TELESCOPIC CRANE BOOMS

Water repellent, insulating, non-stick lubricating paste formulated with ultra-pure and PTFE-enhanced synthetic oils, for the mounting and lubrication of sliding and telescopic assemblies. Non-stick, long term lubrication even in extreme weather conditions. Excellent resistance to inclement weather, extreme cold and very hot weather.

Can be sprayed with lube shuttle spray gun 700081 (pneumatic version)

■ white
T°: -50 to +200°C
NLGI Grade: 1
4-ball EP test: < 0.45 mm
4-ball EP: > 340 kg

3691C4	400 g standard cartridge
3691C4LS	400 g Lube Shuttle cartridge
369102	25 kg drum



SPECIAL GREASES

WSA

MARINE GREASE

Adheres, resists to water and steam. Multipurpose. Suitable for the marine environment and hydraulic industries. Bearings, axles, runners etc. Port areas, water treatment plants.



605



■ green
T°: -30 to +130°C
4-ball EP:
315 kg
DN Factor:
500 000

4605A4	650 ml aerosol	3605B7	1 kg tin
3605T4	200 g tube	3605S1	5 kg tub
3605C4	400 g cartridge	3605O2	25 kg drum
3605CL	400 g Lube shuttle	3605O4	50 kg drum



WSAi

COLOURLESS MARINE GREASE

Adheres, resists to water and steam. Multipurpose. Suitable for the marine environment and hydraulic industries. Bearings, axles, runners etc. Port areas, water treatment plants.

605i



colourless
T°: -30 to +130°C
4-ball EP:
315 kg
DN Factor:
500 000

4605iA4 650 ml aerosol



CTDMEP 2

HIGH-TEMPERATURE GREASE

Top range grease for heavy loads and high temperatures. Paper mills, public works, textiles, cardboard plants, steelworks. Excellent resistance in humid environment. Excellent stability for long lasting use.

606



■ blue
T°: -30 to +180°C
4-ball EP:
315 kg
DN Factor:
500 000

3606C4	400 g cartridge	Exists in grade 3 CTDMEP3	
3606B7	1 kg tin		
3606S1	5 kg tub		
3606O2	25 kg drum		
3606O4	50 kg drum	3606S1	5 kg tub
3606U1	180 kg drum	36063O4	50 kg drum



CT 683

SILICONE-FREE JOINT GREASE

Specifically formulated without silicone for assembling joints in the automotive industry. Greasing and sealing of all mechanisms. Chemically inert. Does not affect seals. For greasing all elastomers. Protects electrical devices against moisture.

683



■ fluorescent white
T°: -50 to +230°C
Drop point:
none
NLGI Grade: 3,5
Water resistance:
very good

3683B7 1 kg tin



CT 830

HIGH-PERFORMANCE GREASE

Synthetic fluorinated grease, resistant to hydrocarbons and chlorates. Remains very stable over time. Recommended for difficult greasing jobs: refineries, chemical plants etc. Suitable for the lubrication of conveyors in epoxy painting booths.

616



■ white
T°: -40 to +280°C
4-ball EP:
800 kg

3616T3	100 g tube
3616C5	800 g cartridge
3616B7	1 kg tin
3616S1	5 kg tub



CT 8 EP

EXTREME PRESSURE MOS2 GREASE

MoS2 lubricant specifically formulated for use in very hot and exacting environments. Public works, transport, car equipments, mines, boiler rooms. Greatly reduces noise and mechanism wear.

617



■ grey / black
T°: -20 to +230°C
4-ball EP:
315 kg

3617B7	1 kg tin
3617O4	50 kg drum
3617U2	180 kg drum



CT 1240

HIGH PERFORMANCE GREASE +320°C

Perfluorinated, non-stick infusible grease, particularly suitable for aggressive and corrosive environments. Rollers for epoxy painting lines, valves for oxidising materials and petrol etc. Excellent water resistance.

619



■ white
T°: -40 to +320°C
4-ball EP:
800 kg

3619T3	100 g tube
3619C5	800 g cartridge
3619B7	1 kg tin
3619S1	5 kg tub



PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

SPECIAL GREASES

WSA PB

659

GEARS SUBJECT TO EXTREME CONDITIONS

Extreme pressure tacky grease with excellent adhesion and enhanced water resistance. For open gears, cogwheels, cams operating in humid environments: cement works, harbour cranes, public works, quarries etc.



■ brown
T°: -30 to +120°C
4-ball EP:
> 500 kg
NLGI Grade: 1
Mineral filler:
zinc

3659C4	400 g cartridge*
3659B7	1 kg tin
3659S1	5 kg tub
3659O4	50 kg drum

*Silicon type

M 4

660

MOS2 INFUSIBLE GREASE

Infusible grease with MoS₂. Extreme pressure, does not run. Very stable during lifetime. Very stable at temperature. For bearings, axles, hinges, pumps, cable tensioners, etc.



■ Dark grey
T°: -35 to +225°C
NLGI Grade: 2
Drop point:
none

3660C4	400 g cartridge
3660B7	1 kg tin
3660O4	50 kg drum
3660U2	180 kg drum



NANOLUBRICANT®

2010

TOP-OF-THE-RANGE SEMI-SYNTHETIC

Grease rich in additives using new innovative technologies, with tremendous potential for advanced lubrication. Multi-purpose, high-performance grease.



■ black
T°:
-30 to +230°C
Speed: 500
to 8,000 rpm
4-ball EP:
800 kg

42010A4	650 ml aerosol
32010C4S	400 g cartridge
32010C4	400 g Lube Shuttle cartridge
32010B7	1 kg tin
32010O2	25 kg drum
32010O4	50 kg drum



NANOLUBRICANT®

2035

HIGH-TECH WHITE GREASE

Grease specifically developed for applications in the food industry or where clean grease is required. Resulting from ORAPI's NANOLUBRICANT® technology, this grease has outstanding anti-wear, extreme pressure and long-life properties, 2 to 4 times greater than other greases on the market.



■ white
T°: -30 to +150°C
NLGI Grade: 2
4-ball EP:
500 kg

32035C4S	400 g standard cartridge
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NANOLUBRICANT®

2045

WATERPROOF MARINE GREASE

High-performance, long-lasting tacky and adhering grease resulting from new technologies. Calcium soap grease specifically formulated for very wet or underwater marine environments, notably severe weather and humidity conditions. For petroleum industries, port areas, wind farms, agriculture, public works, paper mills.



■ black
T°: -30 to +130°C
NLGI Grade: 2
4-ball EP :
800 kg

32045C4S	400 g cartridge standard
32045B7	1 kg box
32045O4	50 kg drum



CT 665

665

SEVERE WEAR AND SHOCK CONDITIONS

Grease formulated using calcium sulfonate soap. Especially designed for very severe conditions: extreme pressure, wear, shocks, water resistance. Main bearings, oven bearings, foundry rollers, axles, frames etc. for agriculture, civil engineering, marine, steelworks, public works.



■ caramel
T°: -25 to +190°C
4-ball EP:
480 kg
Water resistance:
very good

3665C4	400 g cartridge
3665B7	1 kg tin

M 6

675

HIGH SPEED AND SEVERE COLD

Synthetic grease with lithium soap. Extreme pressure, resistant to low temperatures, ideal grease for lubrication in cold regions such as the poles, at very high altitude and in the refrigerating industry. Resists heavy loads and very high speed. Appropriate for spindle bearings and every bearing with big diameter at high speed.



■ > ■
beige to brown
T°: -73 to +121°C
4-ball EP:
350 kg
DN Factor:
1 000 000

3675C4	400 g cartridge
3675B7	1 kg tin

M 7

674

MOS2 AERONAUTICAL GREASE

Extreme pressure synthetic grease enhanced with molybdenum disulphide. Excellent performance at low temperatures, withstands very high rotation speeds and ideal for large-diameter bearings. Resistant to heavy loads and shocks. Ideal grease for lubrication in regions such as the poles, at very high altitude and in the refrigerating industry or aeronautical applications.



■ black
T°: -73 to +121°C
4-ball EP:
350 kg
DN Factor:
1 000 000

3674B7	1 kg tin
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SPECIAL GREASES

CT 662

662

HIGH-PERFORMANCE POLYUREA

Polyurea based soap. Excellent water and wear resistance. Compatible with almost all types of grease. Exceptional lifetime at high temperature. For bearings exposed to water, heavy loads and high speeds and temperatures: electric motors, fans, conveyors etc.

■ light brown
T°: -20 to +150°C
4-ball EP:
> 320 kg



3662C4	400 g cartridge
3662B7	1 kg tin
3662O2	25 kg drum

M1RB LUBRIMOLY M2 639

LONG-LASTING GREASE

High-tech MoS₂ grease for long-lasting lubrication in the aeronautical and aerospace industries (ARIANE ESPACE approved) and the armed forces. Remains efficient a long time, even on pieces submitted to movements with a low frequency. Very stable to temperature changes.



■ Dark grey
T°: -30 to +160°C
4-ball EP:
315 kg



3639T4	200 g tube
3639B7	1 kg tin
3639O2	25 kg drum

FOOD GRADE GREASES

CT 615

615

WHITE GREASE

Food-related industries. Water and detergent resistant. Direct and centralised greasing. Bearings, cams, packaging machines, conveyors etc.



■ white
T°: -20 to +160°C
Grade: 1,5



3615T3	100 g tube
3615C4	400 g cartridge
3615CL	400 g Lube Shuttle cartridge
3615B7	1 kg tin
3615S1	5 kg tub
3615O1	20 kg drum
3615O4	50 kg drum

CT FLON AL

618

PTFE GREASE

Greasing under heavy loads with the lubricating effect of PTFE, noise reduction. Chemically inert. Excellent water resistance, good adhesive properties. Bearings, conveyors, etc. ideal for use on plastics.



■ white
T°: -40 to +170°C
Grade: 1,5
DN Factor:
350 000



4618A4	600 ml aerosol
3618C4	400 g cartridge
3618B7	1 kg tin
3618S1	5 kg tub

CT 609

609

TRANSLUCENT GREASE

Does not stain, excellent water resistance. For chains, hinges, runners, cutting knives on packaging lines, sliding surfaces.



transparent
T°: -30 to +150°C
Drop point : none



4609A8	270 ml TDS aerosol
4609A4	650 ml aerosol
3609T4	200 g tube
3609C4	400 g cartridge
3609CL	400 g Lube Shuttle cartridge
3609B7	1 kg tin
3609O4	50 kg drum

CT 6092

6092

TRANSPARENT DIRECT CONTACT GREASE

Very high-quality translucent grease for the food and food processing industry for applications where direct contact with food is required or is unavoidable.



Colourless
T°: -15 to +180°C
Grade: 2
Classe: 3H
Drop point : none

36092C4	400 g cartridge
36092B7	1 kg tin

CT 622

622

VERY SOFT PTFE GREASE

Lubrication under heavy loads with PTFE's lubricating effect, noise reduction. Chemical inertness. Excellent water resistance, very adhesive. Bearings, conveyors... Ideal on plastics.



■ white
T°: -15 to +130°C
Grade: 00
Classe: H1



3622B7	1 kg tin
3622O4	50 kg drum

CT 6221

6221

SOFT PTFE GREASE

Lubrication under heavy loads with PTFE's lubricating effect, noise reduction. Chemical inertness. Excellent water resistance, very adhesive. Bearings, conveyors... Ideal on plastics.



■ white
T°: -15 to +130°C
Grade: 1
Classe: H1



36221C4	400 g cartridge
36221B7	1 kg tin
36221O4	50 kg drum

PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

SILICONE GREASES

SI 4

SILICONE GREASE

For the assembly and lubrication of all mechanisms. Water repellent. Excellent thermal conductivity, chemically inert. No effect on gaskets. For greasing all elastomers. Protects electrical devices.



621



colourless
T°: -40 to +200°C

Drop point: none
Water resistance: very good
NLGI Grade: 2



3621T3	100 g tube
3621B7	1 kg tin
3621O2	25 kg drum

SI VIDE

HIGH-VACUUM GREASE

Formulated for the assembly and lubrication of all mechanisms under vacuum. Water repellent grease, very sticky, based on special silicone oils. Chemically inert. No damage on gaskets or elastomers.

633

colourless
T°: -40 to +200°C
Drop point: none
Water resistance: very good
Vacuum capability: 10⁻⁴



3633T3	100 g tube
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SI 20

SILICONE GREASE

Enhanced anti-wear and anti-corrosion properties. For bearings, hinges and mechanisms operating in very humid atmospheres at high speeds and under medium loads. Absorbs heat energy.

646

■ beige
T°: -30 to +160°C



3646B7	1 kg tin
3646O4	50 kg drum

SI 450

JOINT LUBRICATION

Silicone grease for assembling joints and lubricating all mechanisms in contact with water. Water repellent. Excellent thermal conductivity, chemically inert. Keeps rubber gaskets flexible. Protection of all electrical devices. Suitable for greasing all elastomers.

648



colourless
T°: -40 to +200°C
Water resistance: very good
Cl - F - S - Br: < 200 ppm
PMUC: 19-172



6648T4	200 g tube
6648B7	1 kg tin

SI 528

LUBRICATION/SEALING OF VALVES AND TAP FITTINGS

Formulated for the assembly and lubrication of all mechanisms. Water repellent. Excellent thermal conductivity, chemically inert. Lubrication of industrial valves and fittings. Metal and plastic valves and cylinder rods. Compatible with all seals and elastomers.

649

colourless
T°: -40 to +200°C
Water resistance: very good
NLGI Grade: 3



3649B7	1 kg tin
3649O2	25 kg drum

SI ROBINET

VALVES AND TAP FITTINGS, FOOD INDUSTRIES

Lubrication of household and industrial valves and tap fittings. For metal, glass and plastic valves. Compatible with all seals and elastomers. The grease remains very stable when exposed to heat, hot or cold water or solvents. Chemically inert.

651



colourless
T°: -40 to +200°C
Drop point: none
Water resistance: very good
NLGI Grade: 2



3651T3	100 g tube
3651B7	1 kg tin

CT 630

FLUOROSILICONE GREASE

High-tech synthetic grease specifically formulated to withstand heavy chemical stress: acids, strong oxidising agents, solvents, hydrocarbons. Bearings, fans, ovens, conveyors, electrical connectors. High stability over time and in every kind of atmosphere.

672

■ white
T°: -40 to +280°C



3672C4	400 g cartridge
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CTSI

AEROSOL GREASE

High viscosity lubricant for maximum resistance to bad weather. For the semi-greasy lubrication of chains, conveyors, plastic materials, rubber, locks, hinges, open mechanisms, pharmaceutical industry equipment, ski lift poles, etc. Excellent mould releaser.

809



colourless
T°: -60 to +200°C



4809A4	650 ml aerosol
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SILICONE GREASES

SITEF 2

620

PTFE SILICONE GREASE

High-performance grease recommended for lubrication under vacuum in the presence of acidic or alkaline products. Excellent water resistance. Plastic-to-plastic lubrication. Does not stain. For (low speed) ball bearings operating at very high or very low temperatures, tap fittings, valves etc. in the refrigeration, chemical, petroleum and aeronautical industries, industrial bakeries, etc.



■ white
T°: -60 to +280°C
NLGI Grade: 2



3620T4	200 g tube
3620C4	400 g cartridge
3620B7	1 kg tin

SITEF 1

626

PTFE SILICONE GREASE: SOFT

High-performance grease recommended for lubrication under vacuum in the presence of acidic or alkaline products. where a soft grease is required. Excellent water resistance. Plastic-to-plastic lubrication. Particularly suitable for low temperatures. Does not stain. For cold industry, chemical industry, petrol industry, industrial bakeries, aeronautical environment...



■ white
T°: -60 to +280°C
NLGI Grade: 1



3626B7	1 kg tin
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SITEF 3

654

PTFE-BASED SILICONE GREASE: HARD

Lubrication and sealing of valves and metallic, glass or plastic taps. Compatible with all gaskets. Lubrication under vacuum at low and high temperatures. Excellent resistance to water and chemicals. The thick texture provides a watertight seal as well as lubrication.



■ white
T°: -60 to +280°C
Viscosity:
≈ 22000 cP
to 25°C
NLGI Grade: 3



3654C4	400 g cartridge
3654B7	1 kg tin



SIL 50/50

823

SURFACE TREATMENT

MoS₂ silicone paste. Exceptional resistance to corrosive chemicals, water, steam and oxidation. Lubrication of mechanisms exposed to very low and very high temperatures. Widely used in aeronautics.



■ Bluish grey
T°: -50 to +300°C
NLGI Grade: 1
4-ball EP:
500 kg



3823T3	100 g tube
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SI 33

652

COLD SILICONE GREASE

Very powerful grease, at low temperature. It avoids joints' bonding and deformation. Frequent washing and oxidation resistant. Excellent for bearings, plastic materials, elastomers, joints, cams and runners. Excellent resistance to solvents and chemicals.



■ white
T°: -70 to +200°C
Water resistance :
very good



3652T3	100 g tube
3652B7	1 kg tin

PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

SILICONE GREASES

SILICONE SPRAY 803

LUBRICANT AND MOULD RELEASER

Aerosol version of silicone oil for easy and precise release. Excellent for releasing from rubber and plastic moulds. Very strong water repellent power. Withstands frequent cleaning. Lubrication of guillotine table and blade. Non-adhesive, antistatic lubrication of conveyor belts and slideways in the packaging and textiles industries.



colourless
T°: -50 to +200°C
PMUC: 19-208



4803A4 650 ml aerosol
6803A4 PMUC 650 ml aerosol

SILAL 812

FOOD GRADE SILICONE LUBRICANT

Mould releaser for materials used in the food and pharmaceutical industries. Water repellent lubricant for chains, conveyors, open mechanisms where incidental contact with food may occur. Pharmaceutical industry, nappy folding and packaging etc. (ACS compliant).



colourless
odourless
T°: -40 to +180°C



4812A4 650 ml aerosol

SILICONE V 7500 746

VISCOUS LUBRICANT AND MOULD RELEASER

Powerful mould release agent, leaving no residue when hot. Lubricate plastics and rubber gaskets without damage. To be used with a large temperature range without risk to congeal, chemically inert, no risk of corrosion, resists for several months even with frequent washes. For lubricating mechanisms exposed to very humid environments.

colourless
T°: -45 to +200°C
Viscosity at 25°C:
7 500 cSt

2746J1 5 kg jerrycan
2746U2 200 kg drum
2747S1 5 kg bucket - SILICONE V 12500

SILICONE V 300 825

FLUID SILICONE OIL

Highly hydrophobic silicone lubricant, to be used neat. Can be used within a broad range of temperatures with no risk of congealing; chemically inert; resists frequent washing for several months. Lubrication of all mechanisms. Pharmaceutical grade, cosmetics.



colourless
T°: -52 to +200°C
Viscosity at 40°C:
300 cSt
Viscosity at 25°C:
350 cSt

2825i2 1 kg container
2825J1 5 kg jerrycan

ESIL 10/10 822

RUBBER SLIDING AGENT

Silicone emulsion for perfect plastic/metal sliding. Mould release for concrete, rubber and other plastic materials. Excellent lubricant for protecting and assembling door and window profiles, footwear industry equipment, etc. Can be used neat or diluted. Water-based.

■ white
VOC content: 0%
non-flammable

3822J1 5 l jerrycan
3822O1 20 l drum

LUBRIFIANT 836 836

SEMI-GREASY SILICONE

Fluid lubricant based on pre-diluted silicone for a less greasy appearance. Water repellent mould releaser. Resist to oxidation and chemicals. Advised for metals. Does not damage plastics, nor rubber. Forms an anti adhering and lubricant film.

colourless
T°: -45 to +200°C
Flash point:
30°C

2836J1 5 l jerrycan

SILICONE OILS

ORALUB 32

894

TURBINES, SPINDLES

Provides corrosion protection of lubricated surfaces. Very low friction coefficient, anti-wear properties, adapted for central greasing. Fast spindle movements, hydraulic motors and pumps, precision mechanisms etc.

■ **yellow**
Viscosity at 40°C:
32 cSt
Flow point:
-27°C
ISO 32

2894J1	5 l jerrycan
289401	20 l drum
2894U2	220 l drum

ORALUB 46

893

HYDRAULICS, RUNNERS

Multipurpose lubricant with antioxidant additives, anti-wear and extreme pressure characteristics. Specially designed for power transmissions. Suitable for centralised greasing and oil mist lubrication systems. For application onto hydraulic motors and pumps, precision machine tools.

■ **yellow**
Viscosity at 40°C:
46 cSt
Flow point:
-24°C
ISO 46

2893J1	5 l jerrycan
289301	20 l drum
2893U2	220 l drum
2893N1	1,000 l container

ORALUB 68

895

RUNNERS, GEARS

Oil with high grip and extreme pressure additives and which guarantees anti-corrosion protection of lubricated surfaces. Avoids frictions and vibrations. For all runners, regardless of speed and load conditions, machine tool guides and sliders, cables, gears, gear reducers, hydraulic equipment, etc.

■ **yellow**
Viscosity 40°C:
68 cSt
Flow point:
-24°C
ISO 68

2895J1	5 l jerrycan
289501	20 l drum
2895U2	220 l drum
2895N1	1,000 l container

ORALUB 868

868

SOLUBLE LUBRICANT FOR SCISSORS
IN GLASS INDUSTRIES

A water-soluble lubricant that forms an emulsion for lubricating and cooling scissors in the glass industries. Without residues. Optimal for lubrication in a very 'hot' environment: 1000 to 1200 ° C.

■ **yellow**
Viscosity at 40°C:
22 mPa.s

2868U2	200 l drum
286805	60 l drum

CB 831

831

GEARS

High-tech, very adhesive fluid lubricant capable of withstanding high temperatures under heavy loads. Contains extreme pressure additives, reinforced anti-corrosion property. No gap formation when using splash lubrication. Gears, cranes, public works equipment, port areas, ball mills for crushing ore, cable cars, gantries, etc.

■ **brown**
Viscosity at 40°C:
220 cSt
Flash point:
260°C
Flow point:
-12°C
ISO 220

2831i2	1 l container
2831J1	5 l jerrycan
283101	20 l drum
2831U2	220 l drum

LUB CABLE

831E

CABLE OIL

Very fluid, adhesive and highly penetrating oil for internal and external cable lubrication. Contains extreme pressure and water repellent agents. Increases the life span of crane, cable car, hoist, bridge crane cables and protects them against corrosion. Applied with a brush, by spraying or splash lubrication.

■ **brown very fluid**
Viscosity at 25°C:
100 cP
4-ball wear
1h at 40 kg:
<0,4 mm

2831E 01	20 l drum
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PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

MECHANICAL OILS

CB5

LUBRICANT FOR CHAINS

MoS2-based penetrating lubricant. Enhanced antioxidant, extreme pressure and anti-wear properties. Lubrication of chains, conveyors, mechanisms, etc. operating at high temperatures, subject to heavy loads and in dusty environments. Recommended by SEDIS.



802



■ black
T°: -30 to +230°C
Viscosity at 40°C :
40 cSt
Viscosity at 25°C :
50 cSt

4802A4	650 ml aerosol TDS
2802J1	5 l jerrycan
280205	60 l drum

CB6

CLEAN LUBRICANT FOR CHAINS

Semi-synthetic water-resistant liquid. Anti-oxidising and anti-wear properties, for high temperatures. Does not stain or attract dust. Conveyors, forklift trucks, agricultural tooling, hobbies... Recommended by SEDIS.

806



■ brown
T°: -30 to 280°C
Viscosity at 10°C :
1700-1800 cSt
Viscosity at 40°C :
210 cSt

4806A4	650 ml aerosol
3806i2	1 l container
3806J1	5 l jerrycan
380601	20 l drum
3806U2	200 l drum



LUBRICATE



G 105 X

GRAPHITE-BASED CHAIN LUBRICANT

Graphite-enhanced mineral oil for mechanisms operating at high temperatures under high stress. Not water soluble, protects against corrosion. Recommended for the lubrication of chains and conveyors in the textiles industry, on oil rigs, in port areas, glass works and the automotive industry. Advised in special applications: deformation, cutting, drilling.

663

■ black
T°: up to +240°C
Silicone-free
Viscosity at 25°C :
= 1960 cP



366301	20 kg drum
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NANOLUBRICANT®

2020

HIGH TECHNOLOGY

Highly adhesive, water repellent fluid lubricant containing revolutionary additives. For cables, chains and gears. Resists to high temperatures and heavy loads. Reinforced anti-corrosion and anti wear properties. Increases lubrication longevity by 5, reduces wear by 4 and reduces friction by 2.



■ dark khaki
T°: -30 to +300°C
Viscosite to 20°C :
220 cSt
Test Wear 4 billes:
< 0,5 mm
EP: 680 kg

42020A4	650 ml aerosol
22020J1	5 l jerrycan



MOLIQ

SELF-CLEANING LUBRICANT

Extreme pressure fluid based on MoS2 and graphite. Developed for the external lubrication of points bearings, railway tracks and any mechanism operating intermittently and being exposed to dirt. Cleans and lubricates in one go. Underground railways, tramways, railways, merry-go-rounds.

837



■ black
T°: -40 to +180°C
4-ball EP:
800 kg

2837i2	1 l container
2837J1	5 l jerrycan
283701	20 l drum

ORAFLOX

PTFE LUBRICANT

High-technology, semi-greasy PTFE lubricant for long-lasting use. Reinforced anti wear and anti oxidation properties, excellent adherence. Very low friction coefficient. Excellent resistance to water and cold. For chains, cables, slides, delicate mechanisms...



■ light amber
T°: -20 to + 230°C

4705A2	405 ml aerosol TDS
2705i2	1 l container
2705J1	1 l bottle



G 840

GLYCERIN OIL

Refined lubricant for delicate greasing. Very fluid, to be used for lubrication of micro-mechanisms, control devices and pressure gauge filling. Does not stain.

840



colourless
T°: -20 to +70°C
Viscosity at 25°C :
800 cP
Cl - F - S - Br:
< 200 ppm
PMUC: 19-108

6840i2	1 l container
684001	20 kg drum



MOULD RELEASE OILS

ORATEN

811

SILICONE-FREE MOULD RELEASER

Multi-purpose, silicone-free mould-releasing and lubrication agent for plastics and rubber. Prepares surfaces for welding, duplicate moulding, electroplating and printing. Used in the wood industry to facilitate the sliding of balls bearings and trays.

colourless
T°: -30 to +200°C

4811A4	650 ml aerosol
2811J1	5 l jerrycan

PEI 35

838

MOULD RELEASER FOR DIFFICULT CONDITIONS

Product for mould releasing on plastics and rubber when complex shapes are difficult to release. Excellent non-stick properties for special polymers. Silicone-free product that can be painted or printed on after the product is released from the mould. Does not stain. Widely used for moulding plastic, provides an end product that is clean and perfectly sized.

colourless
T°: -20 to +150°C

4838A4	650 ml aerosol
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PENETRATE & RELEASE

CLEAN

USE

FINE 121

810

LIGHT OIL

Highly fluid, clean lubricant for greasing delicate mechanisms. For lubricating micro-mechanisms, control apparatus, pneumatic circuits and chains in the food industry. Recommended by SEDIS. INS 3H for direct contact with foodstuffs.



colourless
T°: -30 to +150°C
PMUC: 19-0532



2810R1	125 ml oil can
4810A4	650 ml aerosol TDS
2810I2	1 l container
2810J1	5 l jerrycan
2810U2	200 l drum
6810R1 PMUC	125 ml oil can
6810A4 PMUC	650 ml aerosol TDS
6810I2 PMUC	1 l container



ORAFLO AL

FOOD GRADE PTFE LUBRICANT

High-tech PTFE-based lubricant. Gives all treated mechanisms long term lubrication. Does not stain. Improves friction coefficient and eliminates noises. For the food industry (abattoirs, bottle conveyors etc.)



707



white
T°: -20 to +230°C
Viscosity at 25 °C:
44 cSt

4707A8	270 ml TDS aerosol
4707A4	650 ml aerosol TDS
2707I2	1 l container
2707J1	5 l jerrycan



LUBRICATE

HUILE L 305

565

MULTI-PURPOSE SYNTHETIC OIL

Multipurpose lubricant with a much higher anti-wear power than traditional lubricants. Cleans, penetrates and lubricates very quickly. Protects against corrosion. Oil designed for abattoirs, canning, biscuit and cheese plants etc. for all types of lubrication: chains, gears, pinions, slideways. The viscosity is suitable for a broad range of applications and mechanisms.



colourless
T°: -35 to +135°C
Viscosity at 40 °C:
105 cSt



4565A4	650 ml aerosol TDS
2565J1	5 l jerrycan



DESUCR'OIL

819

SUGAR DISSOLVING OIL

Highly penetrating, sugar dissolving and lubricating white fluid. Dissolves sugar residue, infiltrates, lubricates and protects. De-seizes mechanisms blocked by large sugar deposits. White, tasteless and odourless lubricant. Food industries (chains, pinions etc.), sweet food packaging, production and processing equipment. Water-based.



white
Transparent liquid
T°: +5 to +70°C
Flash point:
none
VOC content: 0 %



2819J1	5 kg jerrycan
2819O1	20 kg container
2819U2	200 kg drum

ASSEMBLE

PROTECT

OIL ADDITIVE

NANOLUBRICANT®

2021

ADDITIVE FOR LUBRICANTS

High-tech additive based on ORAPI's innovative NANOLUBRICANTS®. Enhances the extreme pressure and anti-wear properties of the lubricants which contain the additive. Enhances the vitality and efficiency of waste oil. Boosts the performance of low to medium-range oils. 100 ml = dose for 5 l.



■ black
T°: -30 to +300°C
Usage dose:
de 1 to 3%
Viscosity at 21°C:
1350 cP



22021R4	100 ml bottle
22021i1	500 ml can
2202601	20 l drum *formulation specific

DOPE SBW

860

ADDITIVE FOR ALL TYPES OF OIL

Improves oil performance. Soluble with every mixing ration, even in additivated oils. Enhances extreme pressure and anti-wear properties. Reduces tooling warming up and avoid its premature wear. Recommended for gearboxes, variable speed controllers, gear reducers, bearings etc. in aeronautics, agriculture, industry etc. Ideal for improving the performance of soluble cutting oils.

colourless
Usage dose:
0,5 to 5%
Viscosity at 40°C:
140 cSt

286001	20 kg Jerrycan
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FLUORINATED OILS

FLUIDE 830

830

SYNTHETIC LUBRICANT

High-tech fluid lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Silicone-free. Can be used as a mould-release agent. To be applied in a very thin coat.



colourless
viscous liquid
Odourless
T°: -40 to + 280°C
Density: 1,9
Viscosity at 40°C:
89 cSt



4830A2	405 ml aerosol
3830i2	1 kg container
3830J1	5 kg jerrycan

FLUORE 60

669

FLUID SYNTHETIC LUBRICANT

High-tech fluid synthetic lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Can be used as a mould-release agent.



colourless
liquid
Odourless
T°: -49 to +154°C
Density: 1,88
Viscosity at 40°C:
30 cSt



3669i2	1 kg container
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FLUORE 6

685

VERY FLUID SYNTHETIC LUBRICANT

High-tech, very fluid lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Can be used as a mould-release agent.



colourless
fluid liquid
Odourless
T°: -70 to +66°C
Density: 1,83
Viscosity at 40°C:
3,5 cSt



368501	20 kg drum
3685i2	1 kg container



METAL WORKING - VANISHING FLUIDS

FTS 60

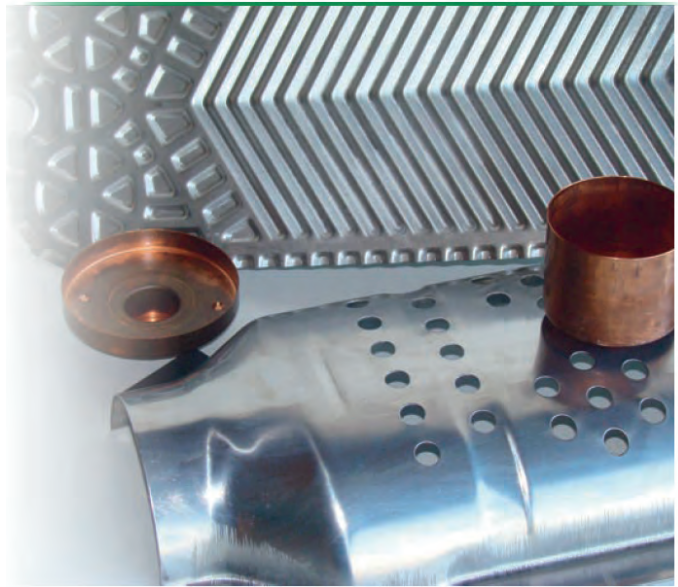
878

FOR STAMPING AND CUTTING THICK METAL SHEETS

Fluid for forming operations with complex shapes. Leaves a light very resistant film that protects pieces against corrosion. Perfectly appropriate for various operations on metals and alloys, even coated and very thick.

■ yellow
Viscosity at 25°C:
2,8 cSt

2878i2	1 l container
2878J1	5 l jerrycan
287801	20 l drum
2878U2	200 l drum



PENETRATE & RELEASE

CLEAN

USE

FTS 879

PLANT-BASED VANISHING OIL



Vanishing (evaporating) lubricant for metal working: metal sheet working, forming, bending, stamping, shaping, rolling, folding and cutting. Formulated from edible plant-based oils. Manufacturing: food packaging, containers, beverage cans, tins, buckets, spray cans, oil cans, air conditioning fins etc.

879

NSF

colourless to
■ light yellow
Odourless
Viscosity at 40° C:
2 mPa.s
Metal sheet:
up to
40/10mm

287901	20 l drum
2879U2	200 l drum

FTS 18

MEDIUM MATERIAL CUTTING AND STAMPING

Fluid for working operations involving complex shapes. Works very well on thin to medium thickness metal sheets thanks to its extreme pressure agents. Leaves no residue.

869



colourless
Viscosity at 25°C:
1,3 cSt
Metal sheet:
up to
20/10mm

286901	20 l drum
2869U2	200 l drum

LUBRICATE

FTS 21

872

MEDIUM AND THIN MATERIAL CUTTING AND STAMPING

Chlorine-free, sulphur-free thermodegradable fluid for delicate working operations on thin materials designed for the food and pharmaceutical industry. Leaves a light residual film, nearly imperceptible Thermodegradable.

NSF

colourless
Viscosity at 25°C:
1,45 cSt

287201	20 l drum
2872U2	200 l drum

FTS 230 C

856C

THICK METAL SHEETS, HIGH OUTPUTS

Fluid for working operations involving complex shapes and high consumption due to significant output. For thick metal sheets; contains extreme pressure agents. For the cutting, folding and shaping of steel straps. Stamping, folding, working, cutting, punching of all metals and special alloys. Automatic stamping: covers, boxes, packaging of all shapes.



colourless
Viscosity at 25°C:
1,6 cSt

2856CN1	1,000 l container
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ASSEMBLE

PROTECT

METAL WORKING - NEAT OILS

FILDUC BIO BIODEGRADABLE



ENVIRONMENTAL
FRIENDLY

Neat oil for all machining operations, formulated from additives and base ingredients carefully selected for their biodegradability and performance. Can be used for a variety of operations, tools and worked metals. Specifically formulated for use in forestry operations, near rivers, ponds, in agriculture, ski resorts, quarries, etc.

912



■ brown

Viscosity at 40°C:
41,3 cSt



- 4912A4 650 ml TDS aerosol
- 2912J1 5 l jerrycan

FILDUC 1879

859

TAPPING, DRILLING, SAWING

Cutting oil with very good extreme pressure and anti-wear properties. Effective, multi-purpose product. Exceptional adhesion on screw taps and drills. Excellent for tapping difficult holes whether "blocked" or not in all types of steel, including stainless.



■ brown

Viscosity at 40°C:
510 cSt

- 4859A4 650 ml TDS aerosol
- 2859R1 125 ml oil can
- 2859J1 5 l jerrycan
- 2859U2 200 l drum



OLDUC 1227 SF

855

MACHINING OF HARD STEELS AND STAINLESS STEELS

Extreme pressure and anti-wear cutting oil for turning, milling, boring, tapping, bar turning and all difficult machining operations on stainless, treated and alloy steels. Thanks to its fluidity, it can be sprayed onto automatic lathes.

■ light brown

Viscosity at 40°C:
25 cSt

- 2855J1 5 l jerrycan

2000 NUCL NF HALOGEN-FREE

858

Cutting oil with excellent extreme pressure and anti-wear properties, free from halogen compounds; quickly dissipates the heat energy generated by machining. Its formulation and viscosity make it suitable for all uses on all materials, more specifically titanium and stainless steel machining in the nuclear and aeronautical industries.



■ yellow

Viscosity at 40°C:
21 cSt

Cl - F - S - Br :
< 200 ppm

PMUC: 19-0527

- 6858A4 650 ml TDS aerosol
- 6858i1 500 ml can
- 6858J1 5 l jerrycan
- 6858U2 200 l drum



FTS 10 NU

865

ODOURLESS AND COLOURLESS

Synthetic colourless and odourless fluid with high anti wear and extreme pressure power. For the tapping and drilling of all metals, prevents the premature wear of cutting tools. To be applied neat, with brush or by spraying.



colourless
odourless

Viscosity at 20°C:
180 cSt

Cl - F - S - Br :
< 200 ppm

PMUC: 19-071

- 6865i1 500 ml spray bottle



TA 1800

886

TAPPING PASTE

Cutting paste with excellent extreme pressure and anti-wear properties, easy to apply onto the tools. Does not run. Increases tools life. Its formulation and texture make it suitable for all uses on all materials: a genuinely multi-purpose and efficient product. Exceptional adhesion on taps and drills, even in vertical and upside-down applications.

■ caramel

NLGI Grade: 3
VOC content: 0%
4-ball EP:
580 kg



- 3886B6 500 g tin
- 3886S1 5 kg tub

TAPPING PASTES



METAL WORKING - SOLUBLE OILS



ORACOU P 11

880

GRINDING

Synthetic lubricant solution specifically formulated for precision grinding, guaranteeing excellent internal and external protection of steel, cast iron, ferrous and non-ferrous metal parts, bearing tracks, bushed bearings, chocks etc. Easy to filter, does not foam, even under the most difficult grinding conditions.

ISO L : MAH

2880J1	5 l jerrycan
288001	20 l drum
2880U2	200 l drum

■ green

Usage dose:
2 to 3%
pH diluted to 3%:
9 to 10

ORACOU P 892

892

HALOGEN-FREE

Micro-emulsion for milling, turning and sawing of ferrous metals and white alloys, appropriate for high volume metal chip removal. Product with excellent mechanical and microbial stability, allows for less frequent emptying.

ISO L : MAF

6892J1	5 l can
689205	60 l drum
6892U2	200 l drum

■ yellow

Usage dose:
2 to 6%
pH to 5%: 9 to 10
Cl - F - S - Br :
< 200 ppm
PMUC: 19-070

ORACOU P 91

854

FUNGICIDE MAINTENANCE TREATMENT

Bactericidal and fungicidal product with cleaning action for restoring baths damaged by bacterial pollution. Recovers baths which are starting to turn, i.e. characterised by sludge and unpleasant odours. The bath will regain its initial appearance and odour within 24 to 48 hours of the treatment. Curative and preventive treatment.

colourless

Usage amount:
1 to 5%

2854i2	1 l container
2854J1	5 kg jerrycan
285404	50 kg drum

ORACOU P 32

882

NON-FERROUS METALS

Chlorine-free emulsion with a high concentration of unctuous and anti-wear additives, for the machining of non-ferrous metals, copper alloys, titanium, aluminium, copper, mild & semi-hard steel and light alloys. Turning, milling, drilling, tapping.

ISO L : MAD

288201	20 l drum
2882U2	208 l drum

■ light yellow

Usage dose:
4 to 6%
pH diluted to 5%:
9 to 10

ORACOU P 252

852

VERSATILE, LONG-TERM USE

Chlorine-free micro-emulsion for milling, turning and sawing ferrous metals and white alloys, suitable for significant chipping. Product with excellent mechanical and microbial stability, allows for less frequent emptying.

ISO L : MAF

2852i2	1 l container
2852J1	5 l jerrycan
285201	20 l drum
2852U2	200 l drum



■ yellow

Usage dose:
2 to 6%
pH to 5%: 9 to 10



TREATMENTS

ANTIMOUSS

587

BUBBLE ELIMINATOR

Additive formulated from stabilised, high-purity copolymers for eliminating foam in water-based solutions. The foam is eliminated within seconds in water-soluble cutting oils, lubricants, scale removers and detergents, in particular when they are vigorously shaken. To be used in small quantity.

■ white
pH: 7,5
Silicone-free



2587i2	1 l container
--------	---------------

PENETRATE & RELEASE

CLEAN

USE



LUBRICATE

ASSEMBLE

PROTECT

ASSEMBLE

BOND
SEAL
FIX
REPAIR

1



KEEP IN A COLD PLACE

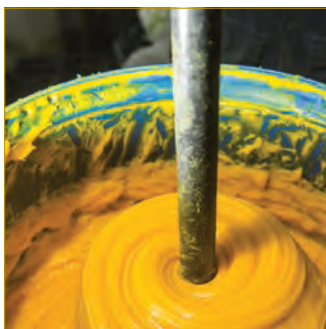
TOWARDS BETTER ASSEMBLY

In the imperfect world of mechanical assembly, ORAPI has been developing solutions adapted to problems in all their forms since 1968.

Here we will share some of our knowledge with you to help you make the best possible choices.



FOCUS ON ANAEROBIC RESINS



Anaerobic resins are single-component, single-bond adhesives.

These polymerise at room temperature when not in contact with oxygen and when the adhesive is in contact with metal. Applications are therefore limited to metals but they are numerous.

The benefits of the resins we manufacture are their excellent resistance to chemicals, high temperatures and vibration.

THE RATE OF POLYMERISATION DEPENDS ON:

- 1 the gap between the parts
- 2 the application temperature
- 3 the materials

THE USE OF RESINS CAN BE DIVIDED INTO 4 CATEGORIES:

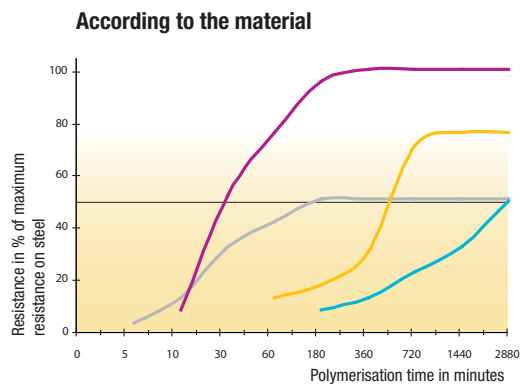
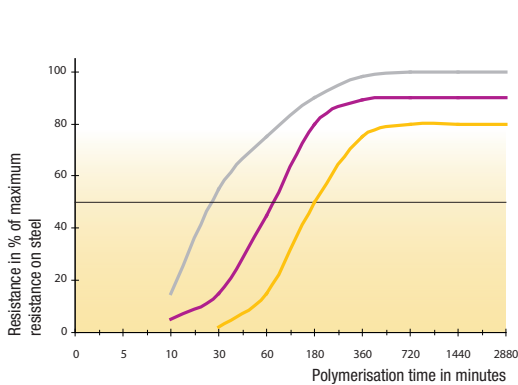
- 1 Screw and bolt locking
- 2 Fastening of cylindrical assemblies: rings and bearings
- 3 Thread sealing of fittings and plugs
- 4 Close mating surface sealing of crankcases, flanges etc.



FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST

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RATE OF POLYMERISATION OF ANAEROBIC RESINS



LEGEND

According to clearance

- CLEARANCE 0,05
- CLEARANCE 0,15
- CLEARANCE 0,25
- 50% resistance

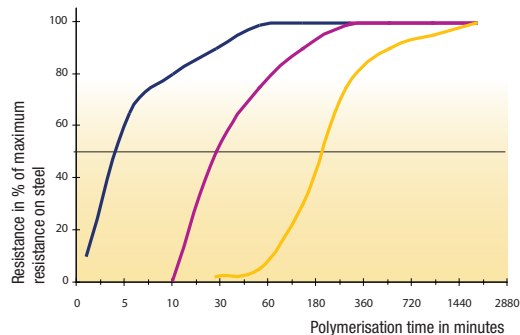
According to the material

- Brass
- Galvanised steel
- Steel
- Stainless steel
- 50% resistance

According to room temperature

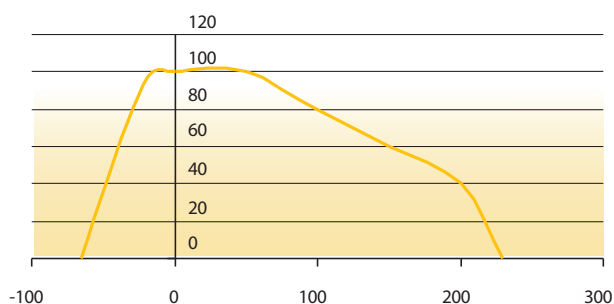
- 40°C
- 22°C
- 05°C
- 50% resistance

According to room temperature



MECHANICAL PERFORMANCE IN % OF RESISTANCE AT 25°C

According to exposure temperature



PREPARATION

NETTOYANT 3141

016

PRE-GLUING SOLVENT

Dry degreaser specifically formulated for cleaning prior to gluing. Removes impurities, improves adhesion and setting speed. Quickly and totally removes all greasy particles stuck to material.

liquid
Odour: **strong and distinctive**

4016A4 650 ml aerosol

ACTIVATEUR 3140

015

SPECIAL ANAEROBIC RESINS

Speed up the polymerisation of anaerobic resins, reducing setting time.
Recommended:
- for use on galvanised or painted surfaces, stainless steel and aluminium,
- for large gaps
- when the temperature is below 10°C



■ **copper red**
liquid
PMUC: 16-055

1015M1 100 ml pump spray
6015M1 PMUC 100 ml pump spray

THREAD LOCKERS

FREINAGE ULTRA FAIBLE

299

VERY LOW RESISTANCE

For fragile assemblies to be dismantled easily using standard tools to avoid material deformation: bicycle wheel spokes, small screws in computers, watch making, eyewear etc.

■ **yellow-orange**
very liquid
T°: -60 to +150°C
Setting time/steel:
3 to 25 mn
Breaking strength on M10 steel bolts :
< 5 N.m
CD 24 hrs/
M10 steel: **< 6 Nm**

1299S1 5 kg tub

FREINAGE FORT

300

STRONG RESISTANCE

Thread locking for metallic threads when dismantling is not required for maintenance or that are never to be dismantled.



■ **green**
viscous liquid
T°: -60 to 150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/ M10
steel: **> 25 N.m**
PMUC: 16-0048

1300F1 5 ml bottle
1300F9 24 ml bottle
1300F3 50 ml bottle
1300F5 250 ml bottle
6300F3 PMUC 50 ml bottle



FREINAGE FAIBLE

306

MODERATE RESISTANCE

For all threaded pieces which are to be easily dismantled with standard tooling. For all assemblies with limited stress or fragile. Prevents loosening due to small vibration stresses such as those acting on electric motor screws.

■ **purple**
viscous liquid
T°: -60 to +150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/ M10
steel: **< 13 N.m**

1306F3 50 ml bottle
1306F5 250 ml bottle



FREINAGE MOYEN



303

MEDIUM RESISTANCE

For all threaded parts, to be dismantled if necessary with standard tooling. Excellent against vibration.

■ **blue**
viscous liquid
T°: -60 to +150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/
M10 steel: **10 - 20 N.m**

1303F1 5 ml bottle
1303F9 24 ml bottle
1303F3 50 ml bottle
1303F5 250 ml bottle
1303i2 1 l container



THREAD LOCKERS

FREINAGE FORT 15 301

STRONG RESISTANCE, LOW VISCOSITY

Permanent fixing of threads and dowels that are not to be dismantled. Fluidity perfect for thin threads and small fastenings.



■ green
liquid
T°: -60 to 150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/ M10
steel: > 25 N.m



- 1301F3 50 ml bottle
- 1301F5 250 ml bottle

FREINAGE MOYEN ALIMENTAIRE 298

MEDIUM RESISTANCE - FOOD GRADE

For assemblies to be dismantled using standard tools in the food industry: conveyor belts for fruit and vegetables, pumps for beverages, blood, dairy products etc.



colourless
viscous liquid
T°: -60 to 150°C
(+230°C)
Setting time/steel:
5 to 40 mn
CD 24 hrs/ M10
steel: > 20 N.m



- 1298F3 50 ml bottle



FREINAGE FAIBLE 15 307

MODERATE RESISTANCE, LOW VISCOSITY

For all assemblies to be dismantled easily using standard tools and with small gaps, on thin threads and small screws.



■ blue
liquid
T°: -60 to +150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/
M10 steel: 7 to 13 N.m
PMUC: 16-074

- 1307F3 50 ml bottle
- 1307F5 250 ml bottle
- 6307F3 PMUC 50 ml bottle

FREINAGE MOYEN 15 304

MEDIUM RESISTANCE, FLUID THREAD LOCK

For all assemblies to be dismantled easily using standard tools. Fluidity perfect for thin threads and small fastenings.



■ red
liquid
T°: -60 to +150°C
Setting time/steel:
10 to 25 mn
CD 24 hrs/ M10
steel: 15 - 20 N.m
PMUC: 16-049

- 1304F3 50 ml bottle
- 1304F5 250 ml bottle
- 6304F3 PMUC 50 ml bottle

PRE-APPLIQUE



LOCKING/SEALING PRODUCT FOR PRE-ASSEMBLY APPLICATION

Pre-assembly thread treatment for locking and sealing threaded parts: the threads are treated in the workshop a few days before use. Dismantling with standard tooling.

458

■ light blue
liquid
T°: -50 to +100°C
Setting time/steel:
immediate
CD 24 hrs/ M10
steel: < 8 N.m

- 1458F6 400 ml bottle

PENETRATE & RELEASE

CLEAN

USE

LUBRICATE



ASSEMBLE

PROTECT

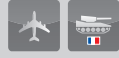
RING FASTENING FOR BEARINGS

FIXPRESS

310

VERY STRONG AND QUICK FASTENING

Very resistant to radial, axial and dynamic stresses. Helps extend machining tolerances recommended for clearance values of 0.15 to 0.25mm. Can be used as very strong, quick-setting sealant. Recommended for assemblies that cannot be dismantled.



■ green
 Handling time:
3 to 5 mn
 Shearing strength:
> 25 N/mm²
 T°: -60 to
 +150°C

1310F3	50 ml bottle
1310F5	250 ml bottle
1310S1	5 kg container

FIXMETAL

312

REPAIRS DEFORMED PARTS

Paste product advised for repairing, without machining, used cylinder-shaped pieces with high and even irregular gap (0.25 to 0.5mm). Resists to impacts and vibrations. For bearings' housing gone oval, repairing of shafts with wear or scratches. Always used with ACTIVATEUR 3140.

■ grey
 Handling time:
20 to 45 mn
 Shearing strength:
> 20 N/mm²
 T°: -60 to
 +150°C



1312T2	50 g tube
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ASSEMBLE



BLOCK BAGUE

314

STRONG FASTENING - GAP < 0.05MM

Fluid resin recommended for small gaps. Fastening of rings, pulleys, bearings etc. with high shearing strength.



■ green
 Handling time:
10 to 25 mn
 on steel
 T°: -60 to
 +150°C
 Shearing strength:
> 20 N/mm²
 PMUC: 16-050

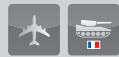
1314F3	50 ml bottle
1314F5	250 ml bottle
6314F3 PMUC	50 ml bottle

BLOCK BAGUE 60

313

STRONG FASTENING - MEDIUM GAP

Strong resistance for radial, axial and dynamic stresses. Recommended for gaps from 0.15 to 0.25 mm, on assemblies that cannot be dismantled: fastening of drive shafts, pinions, pulleys etc.



■ green
 Handling time:
10 to 25 mn
 on steel
 T°: -60 to
 +150°C
 Shearing strength:
> 20 N/mm²

1313F3	50 ml bottle
1313F5	250 ml bottle



BLOCK OIL TOLERANT

316

STRONG RESISTANCE, WITHSTANDS OIL

For application on pieces where degreasing cannot be perfect. Advised for gaps < 0.15mm. Fastening of rings, inserts, pulleys, bearings, cylinder liners etc. with high shearing strength.



■ green
 Handling time:
10 to 30 mn
 on steel
 T°: -60 to
 +150°C
 Shearing strength:
> 25 N/mm²

1316F3	50 ml bottle
1316F5	250 ml bottle

RING FASTENING FOR BEARINGS



BLOCK ROULEMENT 60 317

MEDIUM RESISTANCE - MEDIUM GAP

Fastening of parts to be subsequently dismantled using standard tools in the event of wear. Fitting reinforcement for gaps between 0.05 and 0.15mm. Increases assemblies' reliability. Fastening of bearings onto shafts or housings, liners, inserts, rings, pulleys etc.

■ red
 Handling time:
 10 to 25 mn
 on steel
 T°: -60 to
 +150°C
 Shearing strength:
 > 15 N/mm²



1317F3 50 ml bottle
 1317F5 250 ml bottle

BLOCK ROULEMENT 318

MEDIUM RESISTANCE - GAP < 0.05MM

Affixing parts which need to be dismantled with standard tools in case of wear. Fittings reinforcement. Increase assemblies reliability.



■ red
 Handling time:
 10 to 25 mn
 on steel
 T°: -60 to +150°C
 Shearing strength:
 > 15 N/mm² (24
 hrs)
 PMUC: 16-051

1318F3 50 ml bottle
 6318F3 PMUC 50 ml bottle

PORAJOINT 333

SEMI FLEXIBLE FLAT SEALANT

Sealing gel with high adhesive power for all flanges, including vertical flanges. Replaces conventional seals with complex shapes: pump housings, motors, gear boxes etc. Also recommended for threaded metal seals with «medium resistance» when dismantling.



■ red
 T°: -60 to
 +150°C
 Shearing strength:
 > 8 N/mm²
 Setting time
 at 20°C:
 10 to 25 mn
 PMUC: 16-0072

1333E4 25 ml syringe
 1333F7 50 ml squeeze bottle
 1333T2 50 ml tube
 1333T4 200 g tube
 1333C3 300 g cartridge
 6333T2 PMUC 50 g tube

ORAJOINT 324

FLAT SEALING

Sealing of machined close mating surfaces. Withstands vibrations, industrial fluids, oils and gases. Recommended for complicated close mating surfaces: pump housings, motors, gearboxes etc. Also recommended for threaded metal seals with «medium resistance» when dismantling.



■ red
 Handling time:
 5 to 25 mn
 T°: -60 to
 +180°C
 Shearing strength:
 > 15 N/mm²
 PMUC: 16-075

1324T2 50 ml tube
 1324C3 300 g cartridge
 6324T2 PMUC 50 g tube



PENETRATE & RELEASE

CLEAN

USE

LUBRICATE



ASSEMBLE

PROTECT

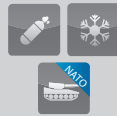
FLAT SEALING

TUBELOCK C

367

PIPES AND NOZZLES

Sealing of threaded metal tubes and fittings up to 3 inches, for a speedy restart and medium resistance when dismantling. Low pressure sealing within minutes. Resistant to most chemical products. Quick setting on steel and brass. For stainless steel fittings, ACTIVATEUR 3140 should be used.



■ yellow-orange

Handling time:
2 to 10 min
on steel

T°: -60 to
+150°C

Breaking strength:
10 - 20 N.m



- 1367F7 50 ml squeeze bottle
- 1367T2 50 ml tube
- 1367T4 200 ml tube

TUBELOCK EXTRA



077

SEALING OF FITTINGS AND PLUGS

Multi-purpose, single-component anaerobic adhesive for sealing metallic threaded caps, pipes and connections. Effective on all types of metal at low and high pressure. Sealant for hot and cold water, solvents, oils, refrigeration, petrol, compressed air and gas. Heaters, toilets, air conditioning, hydraulic and pneumatic mechanisms, vehicles, etc.



■ yellow-orange

Thixotropic putty

Continuous
operating T°:
-60 to +150°C

Resistance :
10 to 20 N.m

Setting time
at 20°C: < 5 min
copper and copper
alloys. 2 to 10 min
on steel. < 30 min
sur inox.

Maximum
operation gap:
0,4 mm



- 1077F7 50 ml squeeze bottle

TUBELOCK TEFLON®

334

EASY DISMANTLING

Paste for pipes and fittings up to 3 inches. Teflon® adds a lubricating effect which facilitates assembly and dismantling, notably in places that are difficult to access.



■ blue

paste

Handling time:
5 to 20 min
on steel

T°: -60 to
+150°C

Breaking strength:
1 to 8 N.m



- 1334T2 50 ml tube

TUBELOCK A

323

COARSE THREADS

Paste for the sealing of pipes and hydraulic connections with big diameter, with medium resistance. Possible dismantling with standard tooling without damaging threads. Replaces pastes and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

■ red

paste

Handling time:
3 to 15 min
T°: -60 to +
150°C

Breaking strength:
5 - 15 N.m

- 1323F7 50 ml squeeze bottle



FLAT SEALING

HYDRAULOCK

329

HYDRAULIC/PNEUMATIC

Low resistant sealing gasket for pneumatic and hydraulic thread connections up to 1/2 inch. Withstands shocks, vibrations, most gases and fluids, hot/cold water etc. Easy dismantling using standard tools. Replaces pastes, hemp and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

■ **brown**
 Handling time: **5 to 10 mn on steel**
 T°: **-60 to +150°C**
 Breaking strength: **5 to 10 Nm**



- 1329F3 50 ml bottle
- 1329F5 250 ml bottle

HYDRAUBLOCK

326

SMALL DIAMETER FITTINGS

Sealing of threaded metal fittings and tubes up to 1 inch, with medium resistance when dismantling. Withstands shocks, vibrations, most gases and fluids, hot/cold water etc. Easy dismantling using standard tools. Replaces pastes and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

■ **red**
 Handling time: **10 to 25 mn**
 T°: **-60 to +150°C**
 Breaking strength: **10 to 20 N.m**

- 1326F3 50 ml bottle
- 1326F5 250 ml bottle

ETANCHELOCK

322

SEALING BY INFILTRATION

Very fluid adhesive using capillary attraction to penetrate threads, cylindrical parts and metal pores. Gap: 0.1mm max. For locking, ring and bearing fastening or post-mounting sealing operations in applications where pre-assembly adhesive application is impossible.

■ **green**
very fluid
 Handling time: **10 to 30 mn**
 T°: **-60 to +150°C**
 Breaking strength: **> 20 N.m**



- 1322F3 50 ml bottle



JOINT LIQUID

331

PTFE-BASED PIPES

PTFE-based seal for metal fittings, hydraulic, pneumatic and heating pipes up to 3 inches where medium dismantling resistance is required. PTFE brings an excellent chemical stability. Facilitates assembly and dismantling.

■ **white**
 Handling time: **20 to 40 mn**
 T°: **-60 to 180°C**
 Breaking strength: **5 to 13 N.m**



- 1331T2 50 ml tube
- 1331T4 200 ml tube

PORALOCK

328

THREAD SEALING, HIGH RESISTANCE

Liquid sealing compound for metal, hydraulic or pneumatic fittings and threaded fittings subjected to severe vibration. Unaffected by hydraulic and synthetic fluids, most industrial fluids and gases, hot and cold water etc. Replaces pastes, hemp, tapes. (Up to 1 inch)

■ **green**
viscous liquid
 T°: **-60 to +150°C**
 Shearing strength: **> 15 N/mm²**
 M10 steel release: **> 25 N.m**
 Setting time at 20°C: **10 to 25 min**
 PMUC: 16-071

- 6328F3 50 ml bottle





FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST

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FOCUS ON STRUCTURAL BONDING

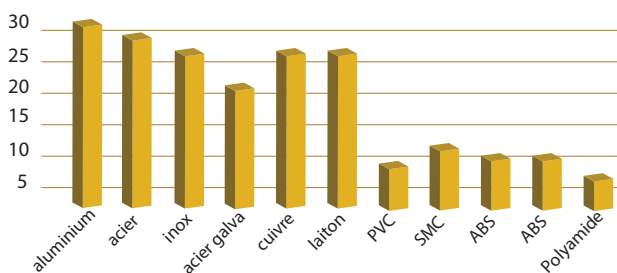
Gluing is a wide-ranging subject as the shape of parts, the nature of the surfaces, size, mechanical and thermal stresses vary depending on the customer.

Our engineers look at a wide range of specific situations every day; in the following pages, we will help you find the right solution for your needs. All our adhesives are tested on different traction and shearing devices to accurately identify the performance which can be expected of them.

Not only can we help with the choice of adhesive, but we can also provide you with adhesives for manual use for minor or occasional operations, as well as adhesives designed for industrial use, complete with glue applicator by way of example..

Average shearing strength in N.mm²

48 hour cure at 25°C



Exemple: 201-OREPOX 30

1 A range of DUAL-COMPONENT epoxy, polyurethane and acrylic adhesives.

These adhesives are comprised of a resin component and a hardener component, and begin to polymerise as soon as they are mixed together. The adhesive can be used to fabricate parts or replace materials.

Primary applications include:

- Gluing part with large or irregular gaps.
- Sealing and repairing holes, cracks and repairing/gluing parts with pieces missing.

2 A range of FLEXIBLE ADHESIVE MASTICS: odourless acetic silicones, PU and MS+

These single-component adhesives polymerise at room temperature thanks to the moisture in the air, which is why the adhesive must be left in the open air before assembly.

Primary applications include:

- Flexible gluing and sealing, soundproofing.
- Often recommended for assemblies subjected to vibrations or when the assembled materials have different expansion coefficients.



ASSEMBLE

BOND
SEAL
FIX
REPAIR

2



WE HELP YOU CHOOSE:

Thank you for choosing ORAPI adhesives; the table below will help you select the adhesive best suited to your application.

This choice does not take into account the usage conditions, temperature and other criteria which must be submitted to our technicians who are there to help you all year round.

STRUCTURAL BONDING PRODUCTS

WOOD	400 125 352									
STEEL	373 390	310 373 390								
COPPER	373 125	355 310	202 310							
GLASS	373 390	390	355	125 100 355						
PVC	355	355	355	125	355					
RUBBER (NITRILE)	355	355	390	125	355	355				
PLASTIC*	355 390	125 390	125 390	125	355	355	355			
ALUMINIUM	390	125 390	202 390	355	390	202 390	355	390 125		
STAINLESS STEEL	390 125	390	390	390	373	390	390	390	390	
PAPER CARDBOARD	400 spray can	400 aerosol	•	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol
	WOOD	STEEL	COPPER	GLASS	PVC	RUBBER (NITRILE)	PLASTIC	ALUMINIUM	STAINLESS STEEL	PAPER CARDBOARD



ASSEMBLE

*Except PE, PP and silicone

STRUCTURAL ADHESIVES

OREPOX 30

201

30 MIN SETTING EPOXY

Repair and rigid adhesion of most materials: ceramic, wood, cement, metal etc. Sticking of pieces with poor calibration with important or variable gap. Setting time allows user to set up the pieces.

*Must be used with a gun. Ref: 700000



■ **yellow**
Mixture ratio: 1/1
T°: -40 to +100°C
Shelf life of mixture: > 45 mn
Shearing strength: 15 MPa



1201E3 50 ml syringe*
700083 syringe cannula



OREPOX 5

FAST-ACTING EPOXY, SETS IN 5 MIN

Epoxy resin with quick setting. Repair and rigid adhesion of most materials: ceramic, wood, cement, metal etc. Rapid gluing of poorly aligned or unaligned parts with large or variable gaps.

*Must be used with a gun. Ref: 700000

202

colourless
Mixture ratio: 1/1
T°: -40 to +100°C
Shelf life of mixture: 4 to 5 mn
Shearing strength: 15 MPa

1202E1 28 g syringe
1202E3 50 ml syringe*
1202K7 1 kg kit



ADHERLOCK 73

390

REACTIVE CONTACT ADHESIVE

Non-mix dual-component acrylic adhesive. Bonding of all metals with exceptional performance. Also glues wood, glass, ceramics, plastic etc. Easy to handle, rapid and very effective.



■ **Pale yellow**
T°: -60 to +150°C
Setting time: 5 mn



1390K1 80 g (70+10)
1390K4 1.1 kg (1+0,1)
1390K5 5,25 kg kit (5+0,25)

ACTIVATEUR A

395

ACTIVATOR FOR ADHESIVE 390

Although this product is included with adhesive 390, it is also available separately so that customers who may have used too much activator, for instance on porous surfaces, can restock.

■ **Pale yellow**

1395F5 250 ml bottle

ORALOC HDI

391

HIGH-PERFORMANCE CONTACT ADHESIVE

Acrylic bi-component with quick setting. Wood, metal, ceramics, plastic etc. Excellent resistance to shocks and vibrations. Facilitates the gluing of badly damaged parts. Remains very stable over time.

■ **dark brown**
T°: -40 to +120°C
Setting time: 10 mn



1391E3 50 ml syringe



REPAIR EPOXY



ORAMETAL A

210

EPOXY PASTE CONTAINING STEEL

Liquid epoxy used for the construction of moulds and templates, filling of micro-pores, general repairs and, more specifically, crack repairs.

■ dark grey
Proportion: 100/7
T°: -35 to +120°C
Shelf life of mixture:
1hr
< 10 min for 28 g
Machinable: 16hrs

1210E1 28 g syringe
1210K2 Kit 500 g (455+46)



ORAMETAL F

212

EPOXY PASTE CONTAINING ALUMINIUM

To be applied like putty for defects and cracks reparation on moulded or machined alloy pieces. Aluminium charge is light and corrosion resistant. After polishing, the surface has a shade very similar to aluminium colour.

■ aluminium
Proportion:
1/1 syringe
5/1 kit
T°: -35 to
+120°C
Shelf life of
mixture: 1hr

1212E1 28 g syringe
1212K2 540 g kit (450+90)



ORAMETAL POCKET 221

PRE-MEASURED LOADED MASTIC STEEL

Repair of all supports (wood and metal). Pre-measured, it is very easy to use and avoids any waste. Repairs moulds, leaky pipes, broken tools, etc. Does not rust and can be used under water. Can be pierced, threaded, and painted after polymerisation.

■ dark grey
after mixing
T°: -50 to +120°C
Shelf life of
mixture:
approx. 4 mn
Machinable:
30 mn to 1h
Max. resistance: in
24 hrs

1221D3 57 g stick
1221D1 115 g stick



PENETRATE & RELEASE

CLEAN

USE

LUBRICATE



ASSEMBLE

PROTECT

ACETIC SILICONES

LUBRISEAL RTV ACETIQUE 100 TRANSPARENT ADHESIVE MASTIC

Flexible bonding and sealing. Metal, glass and ceramic parts, expansion joints, wire insulation, etc. Soundproofing, insulation and mechanical applications.



transparent

T°: -65 to +250°C

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 25 - 33



1100C3 310 ml cartridge

6100T3 PMUC 100 g tube

6100C3 PMUC 310 ml cartridge

LUBRISEAL RTV ACETIQUE 101 WHITE ADHESIVE MASTIC

Flexible bonding and sealing. Metal parts, glass, ceramic, expansion joints, wire coating etc. Insulation of electrical wires and appliances. Soundproofing, insulation and mechanical applications.



white

T°: -65 to +250°C

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 15-25



1101T3 100 g tube

1101C3 310 ml cartridge

JOINT BLUE AUTO 102 UNIVERSAL BLUE ADHESIVE MASTIC

Replaces cut gaskets on housings, manifolds, doors, covers, etc. even damaged. Adheres to all materials. Resistant to oil, gas, antifreeze, etc. Does not drip. Ideal product for mechanics and industrial maintenance services.



blue

T°: -65 to +200°C
+250°C in tip

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 15-25



1102T3 100 g tube

1102C3 310 ml cartridge

LUBRISEAL RTV ACETIQUE 103 HIGH-TEMPERATURE ADHESIVE MASTIC

Flexible bonding and sealing product for use in maintenance, flues and chimneys, glass works (heating appliances, domestic appliances, industrial furnaces). Remains flexible and stable up to +310°C. Does not drip.



red

T°: -65 to +310°C

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 35-45

1103T3 100 g tube

1103C3 310 ml cartridge

LUBRISEAL RTV ACETIQUE 104 BLACK MULTI-PURPOSE ADHESIVE MASTIC

To be used without gun. Black adhesive mastic for sealing crankcases, manifolds, doors, covers etc. Easy to use thanks to its pressurised canister. Light pressure on the nozzle provides a steady stream of sealant.



black

T°: -60 to +240°C

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 15-25



1104A7 200 ml pressurised canister



JOINT METAL 145

GREY ADHESIVE MASTIC, SPECIFICALLY DESIGNED FOR USE IN THE PRESENCE OF OIL

Flexible sealant resistant to oils. Replaces pre-cut seals on crankcases, manifolds, doors, covers etc. for water, oil and solvent proofing. High mechanical resistance to corrosive fluids. Does not run, can be used also on crankcases with planarity defects.

grey

T°: -65 to +250°C

Film formation : 10 mn

Complete drying : 24 hrs

Shore A hardness: 20-30



1145T3 100 g tube

PRIMAIRE 4004 020

SPECIAL ADHESIVE MASTIC

Improves bonding adhesion and increases bonding reliability. Suitable for adhesive mastics on surfaces with low surface energy: concrete, steel, wood etc. Easy to use: apply the adhesive onto the dry primer.

colourless to pale yellow liquid



1020F6 500 ml bottle

ODOURLESS SILICONES

LUBRISEAL RTV INODORE 110

TRANSPARENT BONDING AND SEALING
Adhesive and sealant for metal parts, glass, ceramics, dilation seals, cables coating, cables and electrical device insulation. Soundproofing, insulation.

transparent
T°: -50 to +150°C
160°C in tip
Film formation : 15 to 20 mn
Complete drying : 24 hrs
Shore A hardness: 15-25



1110C3 310 ml cartridge

LUBRISEAL RTV INODORE 111

WHITE SEALING AND BONDING PRODUCT

Flexible self-adhesive product usable on all surfaces: wood, aluminium, glass etc. Does not corrode metal surfaces. Excellent resistance to moisture and oil. Sealing of sanitary facilities.

white
T°: -50 to +150°C
Film formation : 15 to 20 mn
Complete drying : 24 hrs
Shore A hardness: 15-25



1111C3 310 ml cartridge



OTHER ELASTOMERS

ORABOND 2K 129

OFF WHITE SEALING AND BONDING PRODUCT

Flexible, bi-component quick-setting putty glue formulated for bonding and sealing on all materials. This new generation hybrid polymer glue is odourless and has higher tensile, tearing and shear strength than silicones and polyurethanes.

Off white
T°: -40 to +90°C
Shore A hardness: 40-50



1129C6 250 ml cartridge
700093 Canule

ORABOND WHITE

VERY HIGH PERFORMANCE PRODUCT

Bonds, assembles and seals everything. New generation elastic putty sealant. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass wool, chipboard, etc. Can be applied onto humid surfaces and surfaces completely immersed under water. Can be painted. Odourless. Does not drip. Ideal for replacing stainless steel/stainless steel welds. Very high tackiness.



125



white
T°: -40 to +150°C
Shore A hardness: 45-60
Consumption: 1 cartridge = 1.5 m² or 15 m



1125C6 290 ml cartridge

ORABOND

HIGH-PERFORMANCE

Bonds, assembles and seals everything. New-generation elastic adhesive mastic. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass wool, chipboard, etc. Can be applied onto wet and fully immersed surfaces. Can be painted over. Odourless. Does not drip. Ideal for sealing/bonding the plastic cases of industrial remote controls.

black
T°: -40 to +100°C
Shore A hardness: 40-60



1126C6 290 ml cartridge

ORABOND CRISTAL 128

PERFECT TRANSPARENCY

Bonds, assembles and seals everything. New generation elastic putty sealant. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass, PMMA etc. Can be applied onto wet and fully immersed surfaces. Can be painted over. Odourless. Does not drip. Ideal for bonding transparent glass and plastic.

transparent
T°: -40 to +100°C
Shore A hardness: 30-40



1128C6 290 ml cartridge

SEAL PU 120

MULTI-MATERIALS

Single-component polyurethane elastomer adhesive for general use. Polymerises at room temperature. Used for the bonding (and sealing) a wide range of materials including wood, glass, plastic, cement etc. It is particularly well suited to applications where good seal flexibility is required. Can be painted over. Odourless. Does not drip.

grey
T°: -20 to +80°C
Shore A hardness: 35-45



1120C3 310 ml cartridge



SEALING

SEALFLON LIQUID

341

LIQUID TEFLON® TAPE

Aqueous fluid containing PTFE. Seals threads and flat gaskets. Let it dry before mounting (can be stoved). After drying, leaves a flexible film allowing an easy dismantling and to be mounted again later. Prevents excess thickness. Protect threads against seizing.

■ white
T°: -50 to +250°C
Gap: 0,15 mm max
VOC content: 0%



1341B4 250 ml tin with brush
1341S1 5 l jerrycan

SEALFLON

340

PTFE PASTE TAPE

Aqueous paste sealing compound containing PTFE, that creates a flexible seal easy to dismantle. Resists vibrations and chemicals. Seals threads and flat gaskets. Prevents excess thickness. Instantly seals PVC pipes. Let it dry before mounting.

■ white
T°: -50 to +250°C
Gap: 0,3 mm max
VOC content: 0%



1340T3 100 ml tube
134002 20 kg drum

JOINTPLAST

133

PLASTIC THREAD SEALANT

Seals threaded plastic-to-plastic and mixed material (plastic/metal) fittings. Compatible with gas, cold and hot water. Forms low pressure seals on contact and seals capable of withstanding 10 bar after 24h. Easy dismantling. Allows crankcases, electric boxes, etc. to be filled so that components can be insulated and secured.

■ red
self-levelling
viscous liquid
T°: -50 to +250°C
Maximum gap recommended: 0,4 mm



1133T3 100 g tube

ORAPLAST'X

348

FLEXIBLE, ELASTIC PASTE

Temperature and pressure resistant Insoluble in most liquids. Retains its plasticity. Sealing and bonding of crankcases, close mating surfaces, valves, carburetors, flanges, valve covers, clutches, fittings, pipes, heating, pumps, compressors etc. Ideal for the automotive industry, petrol stations, refineries and the chemical and petrochemical industries.

■ orange
T°: -20 to +250°C



1348T4 200 g tube
1348B7 1 kg tin

NUCSEAL N PMUC

346

NON HARDENING, HALOGEN-FREE

For sealing close mating surfaces and threaded fittings subject to severe vibrations. Replaces or bonds paper gaskets and other pre-cut gaskets. Helps create leak-proof seals of any shape, including complex ones. Instantly forms a low pressure seal.

■ blue
viscous liquid
T°: -50 to +300°C
Cl - F - S - Br:
< 200 ppm
PMUC: 17-0386



6346T3 100 g tube

OXYSEAL

051

WITHSTANDS OXYGEN AND EXTREME TEMPERATURES

Seals flanges, threads and close mating surfaces and withstands pressures of up to 200 bar and contact with oxygen. Compatible with liquid gas oxygen. Dries slowly.

■ light grey
T°: -250 to +600°C
Full pressure resistance: 24 hrs



1051T3 100 ml tube

ORASEAL

342

NON-HARDENING THREAD SEALANT

For sealing close mating surfaces and threaded fittings subject to severe vibrations. Replaces or bonds paper gaskets and other pre-cut gaskets. Helps create leak-proof seals of any shape, including complex ones. Instantly forms a low pressure seal.

■ green
viscous liquid
T°: -50 to +300°C



1342T3 100 g tube
1342B4 250 ml tin with brush
1342B7 1 kg tin

ORASEAL +

343

NON-HARDENING PASTE

For sealing vertical mating surfaces. Substitute paper gaskets or make them stick. Helps create leak-proof seals of any shape. Instantly forms a low pressure seal. Allows to use the seal again after dismantling. At room temperature, can be used as a thread locking agent, ideal for use on adjustment screws in mechanical devices and musical instruments.

■ green
Paste
T°: -50 to +300°C



1343T3 100 g tube
1343C3 310 ml cartridge

SPECIAL BONDING

THERMIQUE PMUC 418

HIGH-TEMPERATURE PUTTY GLUE

Silicone-free putty glue. Jointing, bonding and sealing, specifically formulated to withstand very high temperatures. Asbestos-free. Hardens completely, to the very centre. Do not use in contact with water. For cracks or holes filling-in, over metal, stones or concrete... Stoves, boilers, furnaces, open fireplaces, probes, car exhaust pipe fittings.

PMUC

■ Anthracite grey
thick paste

T°: -40 to +1200°C

Thickness: 5 to 15 mm

Shore A hardness: 70 to 90

PMUC: 17-0385



1418C3 310 ml cartridge

COLLE REPOSITIONNABLE 477

POST-IT TYPE GLUE IN AEROSOL

Immediate adhesion. Posters or labels can be repositioned easily up to several weeks after gluing. For gluing light materials: photos, films, cork, foam board, decorations.

■ beige

Setting time: **immediate**

Consumption: 1 aerosol = 7 m²



4477A4 650 ml aerosol

NEOPRENE 400

MULTI-PURPOSE CONTACT ADHESIVE

Instant setting on rubber, leather, fabric, cork, metals, laminates. Flexible, high efficiency. Very high resistance to pull out, excellent resistance to moisture. Applied to both surfaces (150 ml/m² per side).

■ beige

Setting time: 5 to 15 mn

Max T°: +90°C

Resistance to peeling: 15 kg/cm²



4400A4 650 ml aerosol

1400T3 100 ml tube

1400B7 1 l tin

1400S1 5 l bucket

ORASEAL 4000

NEW

FLEXIBLE ADHESIVE

Adhesive sealant with air and water between metallic and plastics parts :
Cladding stonework, facades, metal bracings. Car body. Elements of cold rooms. Corrosion inhibitor. Horizontal leak and bonding in the car industry. Stick on glass, cement, aluminium, steel, ...

347

1347C6 600 ml cartridge

MOUSSE PU 474

INSULATING FIRE-RETARDANT FOAM

80% closed cell expanding foam for thermal and acoustic insulation and caulking. Gas, smoke, flame and water tight. Doors mounting, windows and other articles designed to slow down fire propagation, including in high schools, local authorities and hospitals. Must be applied onto wet surfaces.

■ grey

very sticky foam

T°: -60 to +100 °C

Fire resistance: 120 mn

Coverage: 20 to 35 litres/aerosol

4474A6 1000 ml aerosol

ADHERENT COURROIES 953

STOPS DRIVE BELTS FROM SLIPPING

Triples belt adherence for rubber, leather, canvas, or composite. Prevents belts from hardening while eliminating power loss. Treated belts wear more slowly and transmit power more effectively. Helps position pre-cut gaskets onto crankcases. For treating conveyor belts to provide better grip.

■ yellow

liquid

Max T°: +80°C



4953A4 650 ml aerosol





GLUES 3



In the rapid bonding field, ORAPI has developed solutions suitable for all applications: from ultra fluid and rapid glues to thick gels for porous materials or vertical applications. To respond to our customers' specific requests, we have also developed tinted glues and glues with additives to increase flexibility.

Cyanoacrylates are single-component glues which polymerise at room temperature when the adhesive is in contact with both surfaces.

The moisture in the air neutralises the stabilising agent and triggers the polymerisation process.

These glues should be used when there is no gap between the surfaces.

ADVANTAGES :

- A small drop is all that is required and the glue can be applied with ease.
- Glues practically everything in seconds.
- Excellent shearing and tensile strength.

STORE IN A COOL PLACE

Shelf life: 10 to 12 months

ACTIVATORS / PRIMERS

ACTIVATEUR 6140

025

SPECIFICALLY FOR GLUES

Decreases setting time significantly for glues and enables polymerisation outside of gluing area. Apply ACTIVATEUR 6140 on one of the surfaces and the glue on the other surface or directly on the glue to activate polymerisation.

colourless liquid
Evaporates quickly

4025A1 210 ml aerosol
1025i2 1 l container

PRIMAIRE 3450

021

SPECIFICALLY FOR GLUES - MULTI-PURPOSE

Improve the adhesion of glues on all difficult to tape materials, except silicone. Apply PRIMAIRE 3450 onto both surfaces and allow it to evaporate (1 to 2 min), then apply the glue.

■ yellow-orange liquid

1021F2 20 ml bottle

DECOLLEUR 3720

408

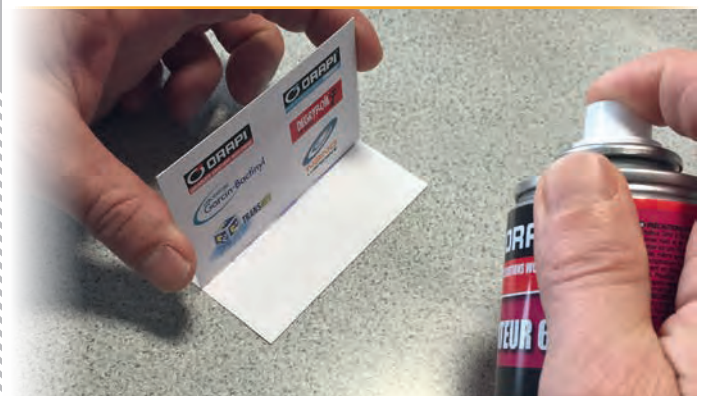
GLUE CLEANING AND REMOVAL

Cleaning solvent for glue applicators and work tables with glue on them. Separation of glued assemblies. Works by soaking. Liquid to be used in a well ventilated area.



transparent liquid
Cl - F - S - Br:
< 200 ppm
PMUC: 16-054

6408F2 PMUC 20 g bottle
1408i2 1 l container



GLUES

STORE IN A COOL PLACE
Shelf life: 10 to 12 months in a cool place.

C 2000 UNIVERSAL

354

Very rapid bonding cyanoacrylate glue for all materials. Excellent for gluing wood, leather, fabric, ceramics, plastic, glass, rubber etc. Mechanical devices, electronics, optics, jewellery, watch making, toys, plastics processing, domestic appliances, knick-knacks, tableware. All materials except Teflon, polyethylene and derivatives.



colourless
T°: -55 to +80°C
Viscosity:
80 - 120 cP
Setting time :
5 to 60 seconds
Shearing strength:
> 25 MPa

- 1354F1 5 g bottle
- 1354F2 20 g bottle
- 1354F3 50 g bottle

C 3000 MULTI-PURPOSE

373

Ultra quick-setting glue thanks to a specific and unique catalyst, suitable for all materials. Strong resistance on wood, plastic, leather, PVC, ceramics and metals. Ideal for surfaces that are difficult to glue.

colourless
T°: -60 to +100°C
Viscosity:
80-120 cP
Setting time:
5 to 40 s
Shearing strength:
27,5 MPa

- 1373F1 5 g bottle in blibox
- 1373F2 20 g bottle
- 1373F3 50 g bottle
- 1373F6 500 g bottle



SUPER GEL VERY THICK GEL

352

Glue as a very thick gel for all usage requiring a viscous products. For vertical or down under sticking or with porous materials. For all materials, does not run.

colourless
Viscosity:
gel
Setting time:
5 to 60 s
Shearing strength:
27,5 MPa

- 1352C3 300 g cartridge
- 1352T7 20 g tube



C 2040 ELASTOMER



Quick-setting adhesive for bonding rubber joints, plastic, glass and O-rings.

355



colourless
T°: -50 to +80 °C
Viscosity:
20-40 cP
Setting time:
5 to 60 s
Shearing strength:
27,5 MPa

- 1355F1 5 g bottle
- 1355F2 20 g bottle
- 1355F3 50 g bottle
- 1355F6 500 g bottle



C 3610 FLEXIBLE AND UNIVERSAL

361

Adhesive for universal gluing. Flexible glue. Ideal for construction.

colourless
T°: -50 to +80°C
Viscosity:
80-120 cP
Setting time:
10 to 60 s
Shearing strength:
10 to 15 MPa

- 1361F2 20 g bottle
- 1361F6 500 g bottle

C 2000/5

359

VERY FLUID AND ULTRA QUICK

Quickest glue for all materials. Very liquid adhesive for gluing by infiltration and capillarity on very smooth surfaces and small gaps. Ideal for automatic gluing systems with repeating application and high work pace.



colourless
T°: -60 to +100°C
Viscosity:
3-10 cP
Setting time:
very quick
Shearing strength:
27,5 MPa

- 1359F2 20 g bottle
- 1359F6 500 g bottle



PENETRATE & RELEASE

CLEAN

USE

LUBRICATE



ASSEMBLE

PROTECT

STORE IN A COOL PLACE

Shelf life: 10 to 12 months in a cool place.

GLUES

GEL CYANO

351

THIXOTROPIC GEL

Glue with quick setting for vertical or down under sticking or with porous material like wood. Sticks on most materials: aluminium, ABS, PVC, metals, wood...

colourless

T°: -50 to +80°C

Viscosity:
fluid gel

Setting time:
10 to 60 s

Shearing strength:
10 to 30 MPa

- 1351F2 20 g bottle
- 1351F3 50 g bottle
- 1351F6 500 g bottle



C 2000 CMM

353

GEL FOR METALS

Sticking of porous metals or for vertical or down under mounting. Adheres to most metals and materials that are difficult to bond with a standard gel.

colourless

T°: -50 to +80°C

Viscosity:
1000 - 2000 cP

Setting time:
10 to 60 s

Shearing strength:
10 to 30 MPa

- 1353F2 20 g bottle



C 3600

356

DIFFICULT RUBBER

Ultra quick-setting adhesive for the bonding of PVC, rubber joints etc. Bonding of polyolefins after surface preparation with 022.

colourless

T°: -50 to +80°C

Viscosity:
20 - 40 cP

Setting time:
2 to 30 s

Shearing strength:
26,3 MPa

- 1356F2 20 g bottle
- 1356F6 500 g bottle



HALOGEN-FREE



C 5000/14

385

MULTI-PURPOSE

Fluid glue with ultra rapid setting thanks to a special catalyst. Multi-purpose: glass, plastic, metals, wood etc. Chlorine-free, sulphur-free, fluorine-free, bromine-free.



colourless

T°: -50 to +80°C

Viscosity:
80-120 cP

Setting time:
5 to 40 s

Shearing strength:
27,5 MPa

PMUC: 16-053

- 6385F1 5 g bottle
- 6385F2 20 g bottle



C 5040

386

ELASTOMERS AND PLASTICS

Quick-setting chlorine-free, sulphur-free, fluorinefree and bromine-free adhesive for bonding rubber joints, plastic, glass and O-rings. Good resistance to humidity. Bonding of silicone joints after surface preparation with 021.



colourless

T°: -50 to +80°C

Viscosity:
20 - 40 cP

Shearing strength:
> 25 MPa

PMUC: 16-052

- 6386F1 5 g bottle
- 6386F2 20 g bottle



C 5000 CM

384

MULTI-PURPOSE GEL

Quick-setting chlorine-free, sulphur-free, fluorinefree, bromine-free gel for the vertical or inverted bonding of porous materials such as wood. Sticks on most materials: aluminium, ABS, PVC, metals, wood...



colourless

T°: -50 to +80°C

Viscosity:
1000 - 2000 cP

Setting time:
20 to 90 s

Shearing strength:
10 to 30 MPa

PMUC: 16-047

- 6384F2 20 g bottle



STORE IN A COOL PLACE

Shelf life: 10 to 12 months in a cool place.

COLOURED GLUES

BLANCHE S

377

WHITE, UNIVERSAL

White and universal adhesive with quick setting and strong mechanical resistance. Flexible bonding of materials subject to shocks and vibrations. Ideal for mounting and repairing of white materials and to localise glued pieces thanks to the colour. Used in the cosmetic and skiing industries.

■ **white**
 T°: **-50 to +80°C**
 Viscosity:
800-1500 cP
 Setting time:
10 to 60 s
 Shearing strength:
15 to 30 MPa

1377F2 20 g bottle

C 3000 DF

378

BLACK, UNIVERSAL

Black and universal adhesive with quick setting and strong mechanical resistance. Flexible bonding of materials subject to shocks and vibrations. Ideal for the bonding and repair of black materials and for locating bonded parts thanks to its colour.

■ **black**
 T°: **-50 to +80°C**
 Viscosity:
200-250 cP
 Setting time:
10 to 140 s
 Shearing strength:
15 to 30 MPa

1378F2 20 g bottle
1378F6 500 g bottle

C 3000 AF

371

BLACK GEL, SHOCK RESISTANT

Quick setting adhesive for vertical or down under gluing, porous materials, when assembly is exposed to shocks, flexible mounting. Its black colour makes it easy to see.

■ **black**
 T°: **-50 to +80°C**
 Viscosity:
1000 cP
 Setting time:
20 to 60 s
 Shearing strength:
15 to 30 MPa

1371F2 20 g bottle
1371F6 500 g bottle



C 3000 HU

363

FLUID, BLACK AND FLEXIBLE

Universal adhesive with quick setting. For bonding surfaces that are subject to shocks and vibrations. Designed for bonding and repairing black materials. High-strength bonding, ideal for the automotive industry for seals, hoses etc.

■ **black**
 T°: **-50 to +80°C**
 Viscosity:
20 - 40 cPs
 Setting time:
5 to 30 s
 Shearing strength:
15 to 30 MPa

1363F6 500 g bottle

PENETRATE & RELEASE

CLEAN

USE

LUBRICATE



ASSEMBLE

PROTECT



FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST

TEL.: +33(0)4 74 40 20 20

FAX: +33(0)4 74 40 20 21

CONTACT@ORAPI.COM



THOROUGH PROTECTION

Your work, your tools, your machines and your personnel are valuable; this is why ORAPI constantly endeavours to improve its products to provide protection against corrosion, scratches, splattering and accidents.

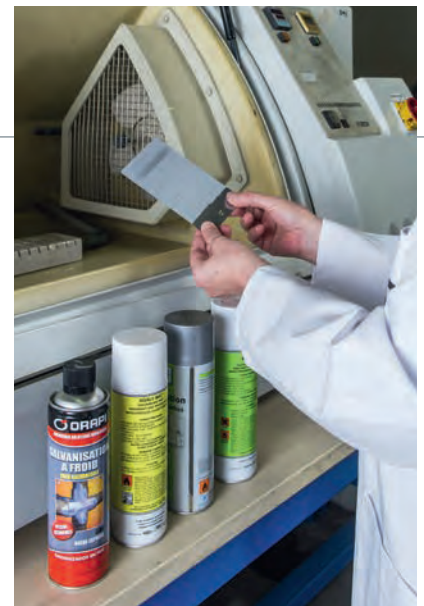
OUR PROTECTION RANGE COVERS

5 DOMAINS

1

ANTI-CORROSIVE
PAINT

All our paints have been designed to provide the best possible VOC coverage, optimised safety and include carefully selected fillers so as to guarantee the highest salt spray resistance on the market.



2

PROTECTION
AGAINST
LEAKS
AND CRACKS

As all gas leaks can be dangerous and costly, we offer products designed to detect leaks and cracks.

3

WELDING
PROTECTION

This range helps protect metals against welding spatter.

Always conscious of environmental and user safety issues, we offer aqueous and biodegradable products.




PROTECT

STORAGE
WELDING
SAFETY



650 ml aerosol

Butane 
F+R12
EXTREMELY FLAMMABLE
33% GAS
67% ACTIVE PRODUCT

CO₂
3% GAS AND 97% ACTIVE PRODUCT



DANGER EXPLOSIVE GAS
 active product
 ECONOMIC PRICE AEROSOL = BOMB

CO₂
 flammable active product
 ECONOMIC VOLUME

CO₂
 non flammable active product
 SAFETY MORE PRODUCT

MORE PRODUCT
MORE SAFETY

4

Your staff are valuable; let's make their working environment as safe as possible:

anti-slip, anti-fall products, antipuncture products etc. including marking paints, various kinds of absorbent products, insecticides, de-icing products, hole and pothole repair products etc.

PROTECTION OF INDIVIDUALS

5

Machined parts and other valuable components need to be protected during storage and transport.

This is why we have developed oily, waxy and dry protective varnishes that come in peelable and non-peelable, coloured or colourless versions so that each of our customers can find the right solution for their components and requirements - with or without initial parts cleaning.

STORAGE PROTECTION

PROTECT

CORROSION INHIBITING PAINT

NZA B

GLOSS GALVANISATION

Exceptional, long-lasting protection against corrosion (up to 3 years) for all metal parts. Coating with high zinc content giving a gloss finish. Can be used as a finish under-layer. Efficient, even in corrosive and marine conditions.



706



■ Shiny grey

T°: -50 to +200°C

Salt spray: > 400 h for 20 µm

Spray coating: 5 µm

Volume coverage: 2 m² / aerosol

4706A4	650 ml aerosol
2706B7	1 kg tin
2706S1	5 kg tub
2706U2	200 kg drum



NZA MAT

MATT GALVANISATION

Hard-wearing treatment and long-lasting protection against corrosion (up to 5 years) for all metal parts. Retouching of galvanised parts even under extreme weather conditions. Can be used as a primer for the final coat. Highly effective even in corrosive or marine environments.

650

■ matt grey finish

T°: -50 to +200°C en pointe

Salt spray: > 500 hrs

4650A4	650 ml aerosol
2650B7	1 kg tin



GALVA EXPRESS

699

SPECIFICALLY FOR RETOUCHING

Hard-wearing treatment and long-lasting protection against corrosion (up to 3 years) for all metal parts: slideways, gates, re-welds, pipes, boiler-making, wire netting and tanks. Retouching of galvanised parts. Retouching of parts after hot galvanising. Can be used as a primer for the final coat.

■ grey

T°: -50 to +200°C

Salt spray: > 250 h

4699A4	650 ml aerosol
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NZA MARINE

653

LONG-TERM PROTECTION

Hard-wearing treatment and exceptional longlasting protection against corrosion (up to 10 years) for all metal parts. Retouching of galvanised parts even under extreme weather conditions. Protects against chemical attacks and mechanical wear. Can be used as a primer for the final coat and provides maximum cathodic protection. High performance even in corrosive and marine environments.



■ matt grey

Salt spray: > 800 h

T°: -50 to +200°C

4653A4	650 ml aerosol
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CODEROUIL

3000XX

ANTI-RUST LACQUER

Glossy, ultra-quick drying, rust inhibiting lacquer. Highly resistant when used outdoors. Excellent adhesion to a wide range of surfaces. Provides excellent VOC content. Easy to apply. Using CODEROUIL allows you to paint directly onto rusty metal. Nevertheless, for best results, we recommend that you apply the product onto an undamaged surface. Can be used on all surfaces subject to oxidation: metal frames, tanks, pipes, vehicles, machine tools, doors and gates, etc. Ideal for industrial applications, DIY, the automotive industry, plumbing etc.

Aerosol :

Dust free: 5 min

Complete drying: 15 min

Bulk:

Dust free: 1 hr min

Complete drying: 8 hrs min

Resistance at T°: 100°C max.

300001	■ white	RAL 9010	520 ml aerosol
300025	■ black	RAL 9017	520 ml aerosol
300002	■ white	RAL 9010	1 kg tin
300005	■ red	RAL 3020	1 kg tin
300008	■ yellow (gaz)	RAL 1004	1 kg tin
300017	■ blue	RAL 5017	1 kg tin
300023	■ grey	RAL 7042	1 kg tin
300026	■ black	RAL 9017	1 kg tin

NOIR PAINT

710

HIGH TEMPERATURE

Matt black paint for retouching and protecting all metal parts exposed to high temperatures. Protects against corrosion. Ironwork, exhaust pipes, chimneys, barbecue housings.

■ matt black

T°: -30 to +600°C

4710A4	650 ml aerosol
--------	----------------

ORALU

712

HIGH TEMPERATURE

Glossy aluminium paint for retouching and protecting all metal parts which may be subjected to high temperatures. Protects against corrosion. Ironwork, exhaust pipes, chimneys, barbecue housings.

■ grey

T°: -30 to +600°C

4712A4	650 ml aerosol
2712S1	5 l bucket



TRACING - MARKING

FAST LINE

901/909

LINE MARKING

High resistance to abrasion, even with frequent and aggressive traffic such as forklifts. Contains no lead and no chlorine. Excellent VOC content, for marking traffic and safety lines. Compatible with all surfaces: tarmac, bitumen, cement, paint, wood, grass etc. Industry, local authorities, town council technical departments, sports facilities, schools etc.

901 ■ yellow
RAL 1023

909 ■ white
RAL 9010

Coverage:
80 m/aerosol



8901A4	650 ml aerosol
8909A4	650 ml aerosol

GAMME MV

01X

IDENTIFICATION - MARKING - CODING

Marking and identification varnish for validating the warranty. This varnish is used to provide assembly and installation security. Opening the device breaks the seal and provides a quick, visual indication that the device has been tampered with. Can be applied to screws, clips, fastenings and miscellaneous components. Renders screws, bolts and rivets tamper-proof.

T°: -40 to
+200°C
Dust free: 1 min

N°	Colour	1 l tin	90 ml bottle	90 ml tube
010	■ red	1010B7	1010FB	1010T8
014	■ black	-	1014 FB	-

SPECTRA COLOR

97X

METAL TRACING AND MARKING

Coloured tracing, identification and coding liquid. For marking and identifying different equipment located in the same workshop. Tracing of drilling or cutting dimensions without marking or damaging the metal by directly marking the negative image onto the SPECTRA COLOUR with a scribe. Available in translucent or matt versions to suit the type of surface. Withstands mineral oils, water and numerous solvents. Approved by many car producers. Cleans off with ORASOLV A 568.



Quick drying

N°	Colour	
970	■ translucent blue	2970i2 1 l container
971	■ opaque white	2971i2 1 l container
972	■ opaque yellow	2972i2 1 l container
973	■ translucent red	2973J1 5 l jerrycan

MARKER

054

WRITES ON ALL SURFACES

For marking and identifying materials in the workplace. Can be used on smooth and rough surfaces. Impermeable and rain-proof, does not clog, does not dry out, always ready to use. Compatible with all materials: paper, cardboard, glass, stone, ceramic, wood, all metals, plastic, rubber, tyres etc.

Dries quickly
Line width: 3 mm
Coverage:
300 m of writing
Halogen-free

1054ST	■ White pen
1054STR	■ Red pen
1054STB	■ Blue pen
1054STJ	■ Yellow pen
1054STN	■ Black pen



CORROSION PROTECTION

PROTOR 842

842

PROVIDES PROTECTION BETWEEN MACHINING OPERATIONS

Fluid, slightly waxy product for protecting stored equipment, injection moulds, etc. against corrosion. De-watering effect. Leaves a very thin protective film compatible with most subsequent operations without cleaning: machining, lubrication etc.



■ yellow
Salt spray: > 70 h



4842A4	650 ml aerosol
284201	20 l drum
2842U2	200 l drum



PROTOR SG 100

MEDIUM-TERM PROTECTION

Corrosion inhibitor providing protection between machining operations. Leaves a strong, waxy film. Coloured version for improved visibility of protected areas. Apply by spraying, painting or soaking. Handling treated parts does not leave the hands greasy.

804

■ red
Salt spray:
> 100 h
Surface:
2 m² / aerosol

4804A4	650 ml aerosol
2804J1	5 l metal container
280405	60 l drum
2804U2	200 l drum



PROTOR SG 100

791

MEDIUM-TERM PROTECTION

Corrosion protection product leaving a strong, waxy film. Colourless version so that metals can retain their original appearance. Apply by spraying, painting or soaking. Handling treated parts does not leave the hands greasy.

colourless
Salt spray:
> 100 h

2791J1	5 l Metal Jerrican
2791U2	200 l drum



PROTOR MARINE

727

VERY LONG-LASTING PROTECTION

Very long-lasting protection, extreme weather and humidity conditions. Fluid that leaves a waxy thick film after drying. Indoor or outdoor protection in corrosive and marine atmosphere. Sea transport, machines in storage, metallic bar storage. Apply by spraying, painting or soaking.

■ brown
Salt spray:
> 150 h

2727J1	5 l jerrycan
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PROTOR BITUM

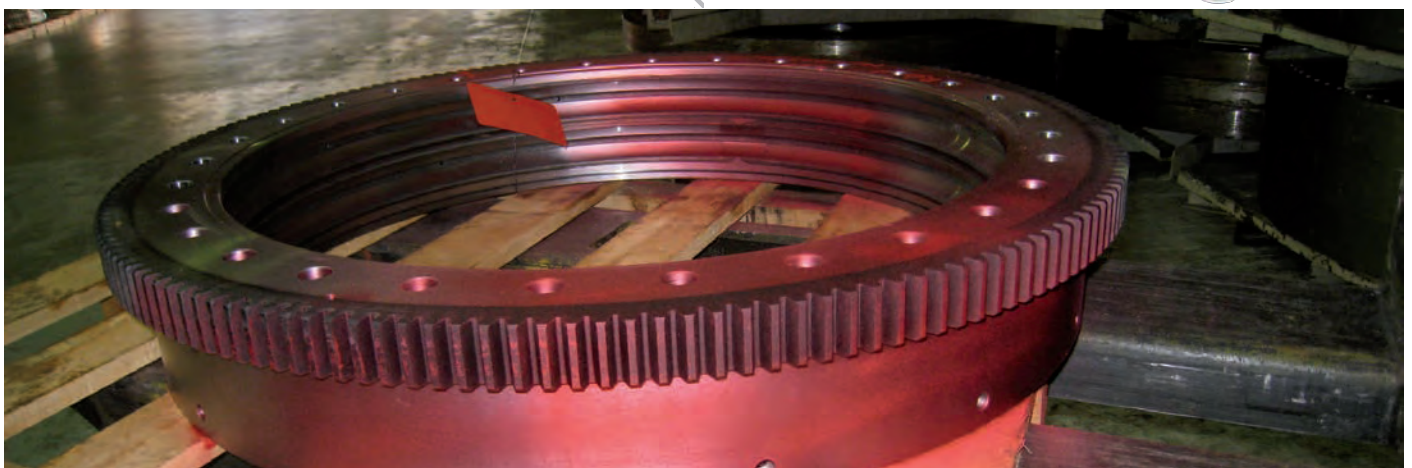
7272

LONG-TERM SEALING/PROTECTION

Anti-corrosion and sealing product providing a dry and flexible film for long-lasting protection. PROTOR BITUM is primarily designed for outdoor protection purposes: bridges, roofs, pylons, metal frameworks, tanks, construction or agricultural vehicle chassis, military equipment, port materials, railway tracks etc. The product can also be used for waterproofing and protecting concrete or cement surfaces.

■ black
liquid
Covering power:
8 m²/litre
Dust free/dry:
2h/12 hrs
Salt spray:
> 800 h

47272A4	650/300 ml aerosol
27272S1	5 l bucket



PEELABLE PRODUCTS

PROTOR AQUA

969

PEELABLE AQUEOUS PROTECTION

Water-based protective varnish. The colour makes it easier to check treated areas. Forms a thick film which can be easily peeled off in one piece. Protects parts against scratches and corrosion, and painting booths and floors against splattering of various types. Protection of cutting tools.

■ white
 odourless
 VOC content: 0%
 Flash point: non-flammable

2969i2	1 kg container
2969S1	5 kg tub
2969O2	27 kg drum



AQUAPEEL TS

4608

PEELABLE AQUEOUS PROTECTION

Water-based, non-flammable, VOC-free protective varnish. The colour makes it easier to check treated areas. Forms a thick film which can be easily peeled off in one piece. Protects parts against scratches and corrosion, and painting booths and floors against splattering of various types. Protection of cutting tools.

colourless
 odourless
 VOC content: 0%
 Flash point: non-flammable

D4608	25 l drum
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PROTOR PL ROUGE

967

PEELABLE PROTECTION

Coloured, peelable protective varnish. The colour makes it easier to check treated areas. Dries quickly. Can be easily peeled off in one piece. Protects metal sheets, polished parts, rolling mill cylinders etc. against scratches and corrosion. Protects painting booths and floors against splattering of various types and sharp tools.

■ red
 Salt spray: 800 h

2967i2	1 l container
2967O1	20 l drum

PROTOR PL

968

PEELABLE PROTECTION

Colourless, peelable protective varnish. Dries quickly and can be easily peeled off in one piece. Protects against scratches and corrosion: metal sheets, polished parts, rolling mill cylinders... while keeping a perfect vision of pieces. Protection of painting booths and floors against various contaminations.

colourless

2968i2	1 kg container
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VARNISHES

SR 05

714

COLOURED PROTECTIVE VARNISH

Very long-lasting protective varnish, for indoor and outdoor use. Dries rapidly and creates a dry, protective film. Does not retain dust. To be applied on clean metallic or plastic parts. Protects against corrosion and scratches. To be removed easily with ORAPI 507 - NDI.



■ red
 RAL 3032
 Salt spray:
 > 250 hrs

4714A4	650 ml aerosol
2714J1	5 l jerrycan



VERTRO

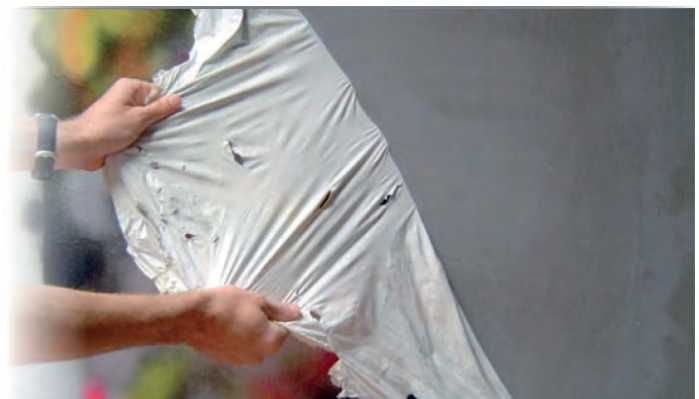
715

TROPICALISATION VARNISH.

Colourless, very long-lasting protective varnish for indoor/outdoor use. Can be used as a humidity insulator and is resistant to harsh environments, hydrocarbons, humidity, salt spray, scratches etc. Protects metal parts, wood, plastic, documents, printed circuit boards etc. Dries rapidly while creating a dry, protective film. Does not retain dust.

colourless
 T°: -40 to +140°C
 Dielectric constant: 100 kW

4715A4	650 ml aerosol
2715J1	5 l jerrycan



BLOC'ROUILLE

STOPS RUST

Powerful rust passivator. Combines with metal to a form protective layer. strong black compound that adheres to metal. Stops rust from returning for several years; treated parts can be left out in inclement weather. Can be painted on without prior cleaning.

954



■ white and
 ■ black after
 drying and
 complexation

2954R3	500 ml bottle
2954J1	5 kg jerrycan
2954U2	200 kg drum



WELDING

ANTIPERL ECO

WATER-BASED ANTI-WELD SPATTER

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Water emulsion of non-stick agents, to be used for the protection of assemblies and tools in welding operations. Removed with water.

ENVIRONMENTAL FRIENDLY

808



■ milky white

Viscosity: **1 to 3 cPs**

Flash point: **Non-flammable**

VOC content: **0%**

4808A4	650 ml aerosol
3808J1	5 l jerrycan
380801	20 l drum
380805	60 l drum
3808U2	200 l drum



ANTIPERL ECO PMUC

ANTI-WELDING SPATTER, HALOGEN-FREE

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Water emulsion of non-stick agents, to be used for the protection of assemblies and tools in welding operations. Removed with water.

ENVIRONMENTAL FRIENDLY

808



■ milky white

Viscosity: **1 to 3 cPs**

Flash point: **non-flammable**

VOC content: **0%**

Cl - F - S - Br: **< 200 ppm**

PMUC: **22-0082**

6808A4	650 ml aerosol
6808J1	5 l jerrycan

ANTIPERL SOUDURE 807

SOLVENT-BASED ANTI-WELDING SPATTER

Silicone-free anti-welding spatter product. Nonstick agents dispersed in a solvent, to be used for the protection of assemblies and tools in welding operations.

■ Pale yellow

T°: **-30 to +280°C**

Flash point: **Non-flammable**

4807A4	650 ml aerosol
2807U2	200 kg drum



ANTIPERL WB 914

WATER-BASED ANTI FLUX RESIDUE

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Combination of non-stick agents, diluted in water, used for preventing welding spatter and projections over large areas (frames, mechanised welding, ship building etc.) Removed with water.

colourless to **light yellow**

Flash point: **non-flammable**

VOC content: **0%**

291401	20 l drum
2914U2	200 l drum

CERASPRAY 708

NOZZLE AND TUBE PROTECTION

Ceramic-based technical product for the treatment of MIG/MAG welding tubes, torches and nozzles. Treated nozzles last 5 to 10 times longer because the gas and wire can pass through more easily. Forms a film which prevents soldering tips from bursting and over-heating. Excellent non-stick agent for high-temperature mould release.

■ dry white film

T°: **1,600°C**

4708A4	650 ml aerosol
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SAFETY AND MARKING

FILL CRACK

904

HOLE FILLER

Semi-synthetic compound for the filling of potholes in asphalt or tarmac. Long term repairing. To be used under any weather conditions. Keeps its flexibility and resiliency. To be applied in thin layers (4cm maximum)



■ black

890402 25 kg drum

ICE MELT

907

ICE AND SNOW MELTER

10 times more effective than traditional salt as it releases heat when combined with water. Anti-slip effect wherever there is ice, black ice, snow: pedestrian crossings, paths, ski resorts, shop entrances, cold storage, local authorities, companies' security department etc. Easy to use thanks to being packaged in a bucket.

■ white

Efficacy: - 30°C
Consumption:
1 kg/7-10 m²

8907S2 14 l bucket
8907S5 25 kg bag
8907BB 1 t Big Bag

FLOOR PATCH II

9032

HOLE AND CRACK REPAIR

Synthetic compound for filling holes and cracks in cement, concrete and bitumen. Chemical sealing of threaded rods, poles, machine feet, manholes etc. Fluid, slow-setting self-levelling product particularly suitable for difficult and horizontal work. Long-term repair. To be used under any weather conditions.

■ Dark grey

Shelf life of mixture:
15 mins
Drying time: 2 h
Density: 2
Consumption:
2 kg/m²/mm

89032K5 5 kg tub

TUE FRELONS

591

POWERFUL INSECTICIDE

Formulated with powerful active compounds, immediate devastating action. To be used only outside, for wasp and hornet nests and all human threatening species. No unpleasant smell. Spray the product while protecting yourself against counter-attacks. For firemen, technical departments, sports clubs, camp sites, leisure centres, farmers, nurseries etc.



Range: 4 to 6 m
Empty in
20 seconds

4591A6 Aerosol 1000 ml

SOLSEC

916

PLANT-BASED ABSORBENT PRODUCT

Multi-purpose, plant-based absorbent product with very good absorbency properties. Very good anti slip. Not abrasive and chemically neutral. Flame retardant (M1 rating) + 600°C. Does not create sludge or dust. Absorbs all liquids on floors: soiled water, petrol, blood, diesel etc. Required for all industries, firemen, local authorities. Pollution treatment in public areas and within companies.

pH: 6,5
Absorbency properties:
669% water
484% hydrocarbon

5916H4 45 l bag (approx. 6,5 kg. 70 bags/pallet)

SURFACTANT AMIANTE

NEW

POWERFUL INSECTICIDE

Mixture of acrylic copolymers in aqueous phase intended especially for the impregnation and wetting of asbestos-containing materials, preventing any dispersion of fibers during dismantling operations.

C429

■ Blue

C429/0001 750 ml sprayer
C429/0005 5 l jerrycan
C429/0030 30 l drum

ABSORBANT TDD

935

DIATOMACEOUS EARTH

Inert road and industrial absorbent product, free from harmful materials. Absorbs quickly and efficiently thereby avoiding pollution and slides. Does not form sludge after liquid absorption.

■ reddish brown

Density: 505 kg/m³
Pallet: 50 bags
Absorbency properties:
137% water
154% hydrocarbon

8935H4 20 kg bag (approx. 40 l)

ABSORBANT PP

7000XX

ABSORBENT WIPES

Absorb liquid spills quickly, easily, cleanly and at optimum cost. Easy to deploy and easy to pick up. Absorbs 10 to 15 times its own weight. An essential tool for preventing pollution and keeping workshops clean. For preventive as well as curative use.

Ref.	Product	Composition
700070	40 x 45 HYDROCARBON wipes	Bag of 200 white sheets
700071	40 x 45 ALL FLUIDS wipes	Bag of 200 grey sheets
700075	8 x 120 Booms	Box of 20 grey booms
700076	Emergency Kit	1 boom + 20 all fluids wipes (30 x 30) + cloth + gloves + bin bag
700101	Rolls 46m x 76 cm	310 g/m ²

PENETRATE & RELEASE

CLEAN

USE

LUBRICATE

ASSEMBLE



PROTECT

FLAW DETECTION

LEAK DETECTOR

952

GAS LEAKS

Suitable for the detection of gas leaks: compressed air, oxygen, butane, propane, CO2 etc. on connectors or valves. Instantly detects leaks by foaming. The aerosol has an adjustable nozzle. Contains a corrosion inhibitor which prevents subsequent metal oxidation.



Cl - F - Br - S:
< 200 ppm
PMUC: 07-010

4952A4	650 ml aerosol
6958A4	650 ml aerosol PMUC
2952J1	5 kg jerrycan
295205	60 kg drum

BLEU DE PRUSSE

975

PLANARITY DEFECT

Blue indicator for checking connectors and fittings on flat surfaces. Reveals high and low points on abutment surfaces which can then be machined to make the final adjustments. Cleans off with ORASOLV B30 - 564.



■ blue
VOC content: 0%
Non-flammable

1975F9	22 ml tube
1975T3	100 ml tube

CRACK DETECTOR

957

CRACKS, FISSURES – PENETRATING RED DYE

Highly effective red fluid which penetrates the cracks, micro-fissures and pores of metals, whether blocked or not. For testing welds during construction and monitoring wear after several years' use on tanks, pylons (ski resorts, cable cars), machine frames, cars, etc. Clean with 503, apply 957, allow the product to penetrate, wipe off, then apply 956. Flaws appear in red when white indicator 956 is applied. ASME Section V compliant.

■ red
Capacity: 200 m

4957A4	650 ml aerosol
2957J1	5 l jerrycan

CRACK DETECTOR

956

CRACKS, FISSURES - WHITE INDICATOR

White product which, when applied after the 957 product onto cracks, micro-fissures and porous metal, blocked or otherwise, makes the 957 product which has penetrated into the material reappear, thereby identifying any flaws. For testing welds during construction and monitoring wear after several years' use on tanks, pylons (ski resorts, cable cars), machine frames, automobiles etc. Clean with 503, apply 957, let it penetrate, sweep away, apply 956. Flaws appear in red when white indicator 956 is applied. ASME Section V compliant.

■ white
Capacity: 150 m

4956A4	650 ml aerosol
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KLEANER

503

CRACKS, FISSURES - DRY SOLVENT

Helps prepare surfaces before detecting cracks and fissures using the 2 products from the CRACK DETECTOR range. Degreasing solvent with ultra quick evaporation that efficiently removes dust and greasy marks that could interfere with the action of detection products. Does not damage plastic, rubber, polymers etc.

Scent: apple
Flash point:
< 0°C

4503A4	650 ml aerosol
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ADHESIVE APPLICATION

SPRAY GUN
310 ml CANISTER

Ref.: 700002



SPRAY GUN
50 ml SYRINGE

Ref.: 700000

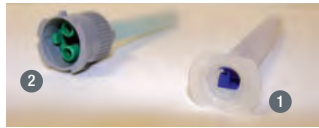


APPLICATION NOZZLE
0.8mm ADHESIVE



Ref.: 500006

SYRINGE MIXER
50 ML



- 1 Cannulas: 700001
- 2 Cannulas: 700083 (for 201 & 391)
- 3 Cannulas: 700093 (for 129)

AEROSOL

NOZZLE BRUSH

Ref.: 700068



GRASSHOPPER HEAD NOZZLE

Ref.: E20073 blu
Ref.: 52380 red



LINE MARKING

2-WHEEL LEVER

Ref.: 8915V1

4-WHEEL TROLLEY

Ref.: 8915V3



SOLUBLE OIL CONTROL

REFRACTOMETER

Ref.: 700014



EMPTY PACKAGING

50316 / 50317	20 ml GLASS BOTTLE/BRUSH
700010	20 g ADHESIVE BOTTLE
700011	90/50 ml RESIN BOTTLE
E24070	100 ml MECHANICAL PUMP SPRAY
7BIDOP1/2	500 ml BOTTLE + SPRAY
5477/E21256	1 l Jerrycan/CAP

GREASE APPLICATION

GREASE PUMP

Ref.: 700012



LUBE SHUTTLE SPRAY GUN

Ref.: 700062
Ref.: 700081 (pneumatic version)



LIQUID APPLICATION

AÉROVAP

Ref.: 700063



RECHARGEABLE AEROSOL

Ref.: 700087
Recharge valve:
Ref. 50002
Recharge valve:
Ref. 50007



LINE MARKING

2-WHEEL LEVER

Ref.: 8915V1

4-WHEEL TROLLEY

Ref.: 8915V3



SOLUBLE OIL CONTROL

REFRACTOMETER

Ref.: 700014



SOAP DISPENSER

POWDERED SOAP DISPENSER

Ref.: ACC007
Ref.: 700074 (Shovel)



TAPS

TAP FOR 20 LITRES

Ref.: 700021

TAP FOR 5 LITRES

Ref.: 52355

TAP FOR 60 AND 200 LITRES

Ref.: 5172



PENETRATE & RELEASE

CLEAN

USE

LUBRICATE

ASSEMBLE



PROTECT

N°	NAME	PAGE
858	2000 NUCL NF	46
700071	40*45 ALL FLUID WIPES	75
700070	40*45 HYDROCARBONS WIPES	75
700075	8*120 BOOMS	75
517	A 62 NU	12
508	A 90H	10
717	A20N NF	29
935	ABSORBANT TDD	75
589	ACTI'SEPTYL	19
015	ACTIVATEUR 3140	50
025	ACTIVATEUR 6140	64
395	ACTIVATEUR A	58
953	ADHERENT COURROIES	63
390	ADHERLOCK 73	58
1140	ALCAPOUDRE	15
587	ANTIMOUSS	47
808	ANTIPERL ECO	74
808	ANTIPERL ECO PMUC	74
807	ANTIPERL SOUDURE	74
914	ANTIPERL WB	74
4608	AQUAPEEL TS	73
9011	AQUATRON S220	20
813	AV 33	21
640	BA	31
377	BLANCHE S	67
975	BLEU DE PRUSSE	76
314	BLOCK BAGUE	52
313	BLOCK BAGUE 60	52
316	BLOCK OIL TOLERANT	52
318	BLOCK ROULEMENT	53
317	BLOCK ROULEMENT 60	53
954	BLOC'ROUILLE	73
586	BRILLINOX	19
354	C 2000	65
353	C 2000 CMM	66
359	C 2000/5	65
355	C 2040	65
373	C 3000	65
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