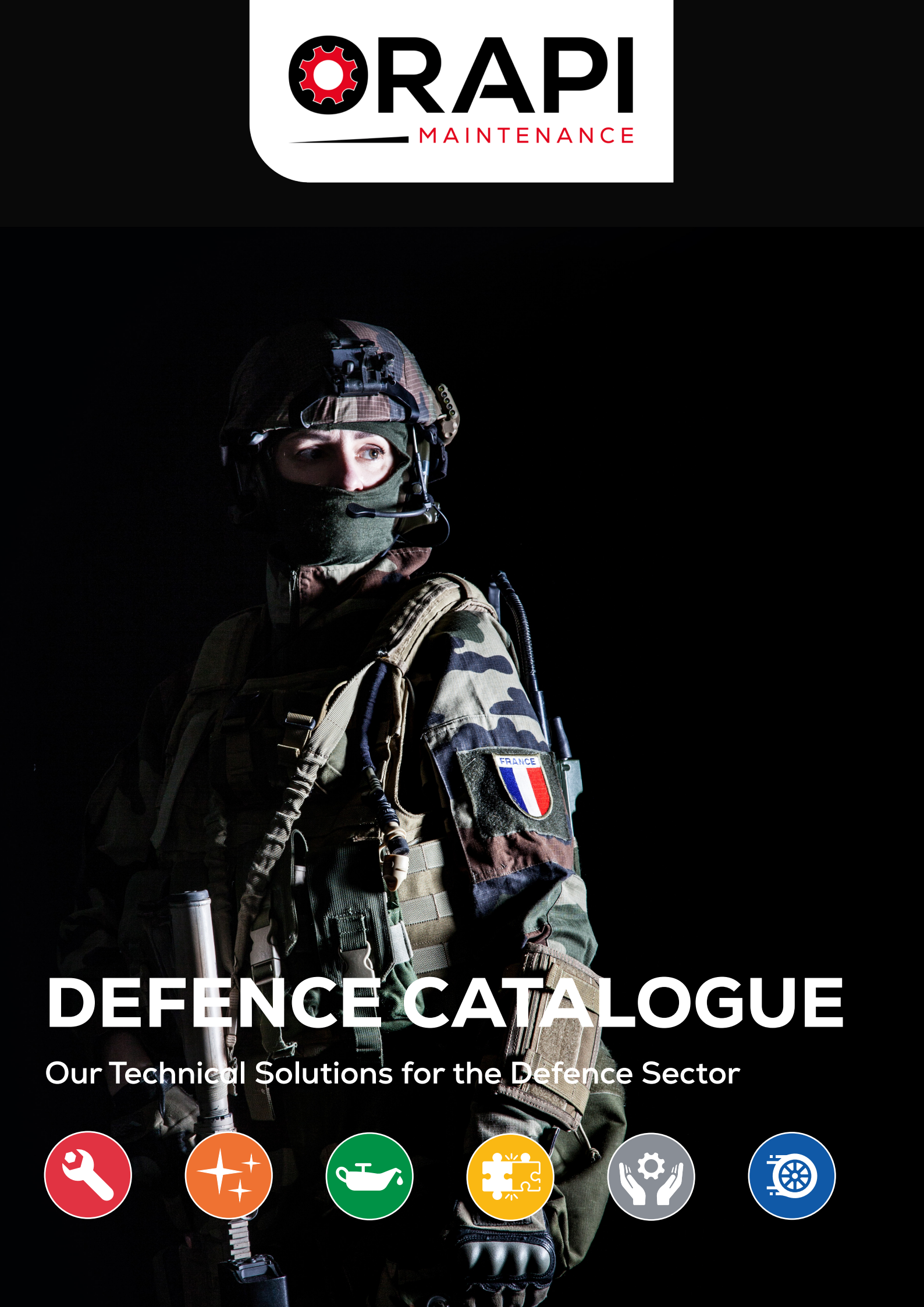


A full-page background image of a soldier in tactical gear, including a helmet with a night vision device, a balaclava, and a camouflage uniform. A French flag patch is visible on the soldier's sleeve. The soldier is holding a rifle and looking directly at the camera.

DEFENCE CATALOGUE

Our Technical Solutions for the Defence Sector



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FOREWORD

OUR MISSION

As part of the Orapi Group, Orapi Maintenance designs, formulates and manufactures advanced maintenance consumables engineered to ensure the operational readiness, durability and performance of equipment and machinery across critical sectors including defence, industry, transport, public infrastructure and agriculture. Our comprehensive range covers the following areas: De-Seize, Clean, Lubricate, Assemble, Protect and Transport.



OUR STRENGTH:

Providing a streamlined, centralised solution to meet the complete range of industrial maintenance and operational needs.

PRODUCT IDENTIFICATION & TRACEABILITY: UNDERSTANDING NNO AND NATO CODES

Within the specific logistical requirements of military environments, standardized product identification is essential. The use of NATO codes, particularly NNO, ensures complete traceability, interoperability between allies, and controlled logistics.

The NATO Stock Number (NNO / NSN)

The NNO (or NSN – NATO Stock Number) is a unique international identifier assigned to an item used by the armed forces of NATO member countries.

It consists of 13 digits, structured as follows:

Example: 6850-14-432-1666

6850: NATO Classification Code (NCC) – corresponds to specialised chemical products for maintenance, such as solvents, degreasers or technical cleaning agents.

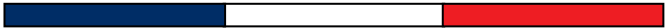
14: NATO Country Code – here, 14 = France.

432-1666: Unique serial number precisely identifying the product within the NATO database.

Why an NNO?

Assigning an NNO to a product makes it possible to:

- Standardise the designation and management of items across all NATO member armed forces.
- Facilitate logistical exchanges between allied nations.
- Guarantee interoperability, both in the field and within supply systems.
- Reduce identification errors by avoiding duplication or confusion between similar products.



M A D E I N F R A N C E

NATO REGISTRATION

A GUARANTEE OF RELIABILITY AND COMPLIANCE



NATO REGISTRATION:

Recognised by military authorities as compliant with NATO standards.

Integrated into the international logistics catalogue (NMCRL – NATO Master Catalogue of References for Logistics).

Compatible with procurement procedures in force within the armed forces.

OUR COMMITMENT: PRODUCTS READY FOR OPERATIONS

Our industrial maintenance products intended for the armed forces are:

- Codified with a NATO NNO
- Supplied with compliant technical data sheets and safety data sheets (SDS)
- Packaged to meet field requirements
- Can be integrated into existing military logistics systems

As a trusted supplier to the armed forces, we place our industrial expertise at the service of operational performance.



Our products are available in other packaging formats.
Contact us to find out more!



PENETRATING OILS

800 - REDUCE 4



POWERFUL PENETRATING OIL

Very fast action. Wetting, penetrating, rust-removing, cleaning, water-repellent and phosphating. For very difficult dismantling operations without thread deformation. Properties: anti-rust, anti-corrosion, anti-wear, lubricating. Suitable for all mechanical applications.

4800A5	Aerosol 800 mL	NNO : 6850-14-397-8516
2800J1	Jerrycan 5 L	NNO : 9150-14-402-9069

805 - WR+



MULTI-PURPOSE PENETRATING OIL

More than 1,000 listed uses!
The most versatile penetrating oil. 5 functions: loosens, lubricates, repels moisture, protects against corrosion, cleans.

OTAN : C 634

4805A4	Aerosol 650 mL	NNO : 6850-14-451-8967
2805J1	Jerrycan 5 L	NNO : 6850-14-465-7148
2805O1	Drum 20 L	NNO : 6850-14-402-5420

801 - DEGRILUB



PENETRATING LUBRICANT

An essential product in mechanical applications. Loosens, protects and lubricates. Its excellent wetting ability allows it to act quickly on small mechanisms: screws, nuts, etc. Preventive anti-seize lubricant: locksmithing, automotive, industry

OTAN : XS 66

4801A4	Aerosol 650 mL	NNO : 6850-14-432-1666
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CLEANERS

813 - AV 33



WEAPON CLEANER

Cleaning, corrosion protection and lubrication of the firing pin, bore, bolt, muzzle, barrel, trigger, charging handle, rifling, hammer. Neutralises and removes powder combustion residues. For all firearms: sport shooting, military, police, customs. For both preventive and corrective use.

OTAN : S 758

4813A8	Aerosol TDS 270 mL	NNO : 6850-14-408-8852
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PROTECTEUR ARMES



PROTECTIVE COATING FOR FIREARM BARRELS

Hydrophobic in nature, it repels moisture and provides surfaces with protection against oxidation and corrosion. It is non-corrosive to common metals: steel, cast iron, Aluminium, Copper, zinc, stainless steel. Also compatible with plastics such as polyethylene, polypropylene and PVC.

C647/0012	Aerosol 650 mL
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515 - ORANET B1



SUPER CONCENTRATED DETERGENT

Very powerful liquid detergent. ORANET B1 is multifunctional for all cleaning applications: floors, cladding and synthetic surfaces.

Dosage: 0.5 to 20%.

pH at 5%: 12.5.

OTAN : XS 78

2515J1 Jerrycan 5 kg NNO : 7930-14-310-2861

532 - ORANET M



DETERGENT FOR METAL PARTS

Biodegradable water-based degreaser for all mechanical metal parts where corrosion risks must be avoided.

Dosage: 0.5 to 20%.

pH: < 9.8

2532O1 Drum 20 kg NNO : 6850-14-558-2674

550 - ORANGE SOLVENT



DEGREASING TAR REMOVER

Cleans and dissolves grease. Tar remover and decarbonising agent for combustion residues. Protects mechanical parts by leaving a light oily film. Flash point: 70°C. IKB: 80.

4550A4 Aerosol 650 mL NNO : 6850-14-555-6603

571 - ORASOLV B 60



SOLVENT SAFETY ANTI-CORROSION

Degreasing of heavily greased metal surfaces. Slow evaporation ensuring a light anti-corrosion film. Recommended for immersion when dealing with stubborn deposits.

Flash point: > 60°C. IKB: 35.

OTAN : XS 842

2571J1 Metal Jerrycan 5 L NNO : 7930-14-310-2862

511 - ORASOLV M1



MULTI-FUNCTION WORKSHOP SOLVENT

Specially formulated for workshop degreasing of all mechanical parts and metal surfaces. Penetrates deeply and dissolves greasy deposits and grime on mechanical assemblies. Flash point: > 40°C. IKB: > 72.

OTAN : XS 842

2511J1 Metal Jerrycan 5 L NNO : 7930-14-411-0518

540 - ORASOLV P



VERY HIGH SOLVENT POWER

For rapid and complete degreasing of very dirty surfaces. Type A3 safety solvent. Can provide interim protection between machining operations. Ideal for applications where mechanical parts are heavily greased. Flash point: > 61°C. IKB: > 70.

OTAN : XS 842

2540J1 Metal Jerrycan 5 L NNO : 6850-14-352-4742

2540U2 Drum 200 L NNO : 6850-14-328-1033



LUBRICANTS

726 - VIMOS 70



MoS₂ VARNISH

Dry lubricating coating for all metals and plastics. Protects against oxidation. Insoluble in solvents and hydrocarbons. Cures at room temperature.

Excellent dry lubricant for threaded parts, valves, small gears, joints and mechanisms operating in dusty environments. Lubrication of military valves and joints exposed to extreme cold. Effective even on mechanisms that operate very occasionally.

3726B7 Tin 1 kg NNO : 6850-14-401-9777

720 - EMOS 60



MoS₂ HEAT-CURING VARNISH

MoS₂ dry lubricant based on thermosetting resins. Lubricates and protects all metal surfaces against oxidation; resistant to solvents and acids. Excellent resistance to salt spray. Excellent dry lubricant for gears, cylinders, actuators, threaded screws, pinions, racks, screws, etc. Suitable for aeronautical equipment and lifetime lubrication of all joints subjected to low temperatures and particle-laden environments.

OTAN : S 1738

3720B7 Can 1 L

NNO : 9150-14-528-0005

724 - OR 05



MoS₂ POWDER

Applied with a leather pad, brush or in a drum on ground parts that have undergone surface heat treatment. Adheres to metal and leaves a dry lubricating film. Facilitates running-in. Suitable for pre-treatment of parts.

3724B7 Can 1 kg

NNO : 9150-14-433-1654

700 - MOLYSPRAY



MoS₂ DRY LUBRICANT

Treatment and pre-treatment of all mechanisms or parts to be assembled. Dry lubrication of small mechanisms. Facilitates running-in. Aerosol application provides a uniform coating. Excellent performance in extreme cold and dusty environments. Colour: black
Operating temperature: -200 to +450°C.

OTAN : S 740

4700A4 Aerosol 650 mL NNO : 9150-14-402-2078

637 - HT 900



COPPER ANTI-SEIZE PASTE

Anti-seize product formulated to create a thin lubricating layer. For threaded parts that must be assembled and later dismantled after exposure to very high temperatures. Refineries, dye works, furnaces, marine...

3637T4 Tube 200 g

NNO : 9150-14-327-4648

3637B7 Tin 1 kg

NNO : 8030-14-328-1031

600 - TM 900S



COPPER ANTI-SEIZE PASTE

Assembly paste for treating and lubricating surfaces. Specially designed for use on tooling, shafts, rollers, slow-moving parts and all components that require dismantling. Recommended for casting nozzles in steelworks. Electrically and thermally conductive. Colour: copper.
Operating temperature: -40 to +1100°C.

4600A4 Aerosol 650 mL NNO : 9150-14-404-2313

601 - HT 600



ALUMINIUM ANTI-SEIZE PASTE

Contains a special carrier and micronised Aluminium. Specially designed for use on tooling, shafts, rollers, slow-moving parts and all components that require dismantling.

3601B7 Tin 1 kg

NNO : 8030-14-460-6752

3601S1 Tin 5 kg

NNO : 8030-14-534-4855

610 - MOB 30



MOS₂ / GRAPHITE ANTI-SEIZE PASTE

This easy-to-apply paste enables surface pre-treatment and semi-greasy lubrication prior to the assembly of all mechanisms or parts that will subsequently be lubricated.

Facilitates assembly and running-in.

Mechanical workshop, maintenance department.

3610B7 Tin 1 kg

NNO : 8030-14-544-1572

882 - ORACOU 32



DIFFICULT MACHINING

Chlorine-free emulsion highly concentrated in lubricity and anti-wear additives for machining non-ferrous metals, copper alloys, titanium, stainless steel, Aluminium, Copper, mild and medium steels, and light alloys. Turning, milling, drilling, tapping.

OTAN : O 214

ISO L : MAD

2882O1 Drum 20 L

NNO : 9150-14-402-2078

603 - PATE SPRAY



MoS₂ THIN FILM COATING

Easy-to-use aerosol allowing the application of MoS₂ paste in thin, precise layers. Enhanced extreme-pressure performance. Lubrication of tooling, assemblies and mechanical parts.

4603A4 Aerosol 650 mL NNO : 9150-14-421-1883

608 - CT 4



MoS₂ GREASE

Lubrication under very heavy loads; effectively combats wear thanks to its high-quality MoS₂ content.

Safety lubricant for bearings.

OTAN : G 353

3608T4 Tube 200 g NNO : 9150-14-436-9933

605 - WSA



MARINE GREASE

Adhesive extreme-pressure grease for use in humid or aggressive environments, and for bearings in marine applications. Excellent resistance to oxidation, with very good anti-wear and extreme-pressure properties. Insoluble in cold, hot and seawater. Operating temperature: -30°C to 130°C.

OTAN : G 460

3605T4 Tube 200 g	3605B7 Tin 1 kg
3605C4 Cartridge 400 g	3605S1 Tin 5 kg
3605CL Lube Shuttle 400 g	3605O2 Drum 25 kg
4605A4 Aerosol TDS 650 mL	3605O4 Drum 50 kg

619 - CT 1240



HIGH PERFORMANCE GREASE UP TO +320°C

Infusible perfluorinated, PTFE-fortified grease, specially designed for aggressive and corrosive environments. Rollers for epoxy paint chains, valves handling oxidising substances and fuels...

OTAN : S 717

Excellent water resistance.

3619T3 Tube 100 g NNO : 9150-14-539-9090

639 - M1RB



LONG-LIFE, HIGHLY ADHESIVE GREASE

High-tech MoS₂ grease for long-term lubrication in aeronautics, aerospace (ARIANE ESPACE approved), and military applications.

Remains effective over time, even on parts subjected to infrequent movement. Very stable under temperature variations.

3639B7 Tin 1 kg NNO : 9150-14-308-7602

607 - CT FLON



PTFE GREASE

PTFE grease for lubrication under heavy loads. Enhanced lubricating effect thanks to PTFE, reduced noise, chemical inertness. Ideal for lubrication on plastics. Good water resistance. Colour: light beige. Operating temperature: -20 to 140°C.

3607B7 Tin 1 kg NNO : 9150-14-527-9789

657 - VASCO



VASELINE GREASE

Specially designed for lubricating delicate mechanisms.

OTAN : S 743

3657B7 Tin 1 kg NNO : 9150-14-546-1582

652 - SI 33



COLD-TEMPERATURE SILICONE GREASE

Highly effective at low temperatures. Prevents sticking and seal deformation. Resistant to washing and oxidation.

Excellent for bearings, plastics, elastomers, seals, cams and slideways. Outstanding resistance to solvents and chemical agents.

3652B7 Tin 1 kg NNO : 9150-14-352-0172

837 - MOLIQ



SELF-CLEANING LUBRICANT

Extreme-pressure fluid based on MoS₂ and graphite. Developed for external lubrication of switch bearings, railway tracks and all mechanisms operating intermittently while exposed to contamination. Cleans and lubricates in a single operation. Urban metro, tramways, railways, amusement rides.

2837J1 Can 5 L

NNO : 9150-14-547-9512

802 - CB 5



CHAIN LUBRICANT

Penetrating lubricant based on MoS₂. Enhanced anti-oxidation, extreme-pressure and anti-wear properties. Lubrication of chains, conveyors and mechanisms operating at high temperatures, under heavy loads and in dusty environments. Recognised by SEDIS. Colour: black. Operating temperature: -30 to +230°C.

4802A4 Aerosol 650 mL NNO : 9150-21-896-8257

859 - FILDUC 1879



TAPPING, DRILLING, SAWING

Cutting oil with high extreme-pressure and anti-wear performance. Versatile and effective product. Exceptional adhesion on taps and drill bits. Excellent for difficult tapping in through or blind holes on all steels and stainless steels.

Colour: brown.

4859A4 Aerosol 650 mL NNO : 9150-14-416-0086



FASTENING AND ADHESIVES

300 - FREINAGE FORT



METAL THREAD LOCKING

High strength, for parts subjected to strong vibrations.

Difficult dismantling, sometimes nearly impossible.

1300F3 Bottle 50 mL NNO : 8040-14-458-2249

077 - TUBELOCK EXTRA



SEALING OF METAL THREADED FITTINGS

Single-component anaerobic adhesive, versatile for sealing metal threaded plugs, pipes and fittings. Effective on all types of metals at low and high pressures. Seals hot and cold water, solvents, oils, refrigerant fluids, fuels, compressed air and gases. Appearance: thixotropic paste. Colour: yellow-orange. Continuous operating temperature: -60 to +150°C (up to 200°C intermittently). Setting time at 20°C: <5 minutes on Copper and its alloys, 2 to 10 minutes on steel, <30 minutes on stainless steel.

1077F7 Bottle 50 mL NNO : 8040-14-448-4561

343 - ORASEAL +



NON-HARDENING PASTE

For sealing vertical flange faces. Replaces or bonds paper gaskets. Allows the creation of seals of any shape.

Immediate sealing at low pressure. Allows reuse of gaskets after dismantling. At room temperature, provides locking on threaded assemblies, ideal for adjustment screws in mechanical applications and musical instruments.

1343T3 Tube 100 g NNO : 8040-14-523-8475

354 - C 2000



UNIVERSAL

Very fast-setting cyanoacrylate adhesive for all materials. Excellent for bonding leather, fabric, ceramics, plastics, glass, rubber. Applications: mechanical engineering, electronics, optics, jewellery, watchmaking, toys, plastics processing, household appliances, ornaments, tableware. Suitable for all types of materials except Teflon, polyethylene and derivatives.

1354F2 Bottle 20 g NNO : 8040-14-419-4744

355 - C 2040



ELASTOMERS

Fast adhesive for bonding rubber seals, plastics, glass and O-rings. Colour: colourless. Viscosity: 40 cP. Operating temperature: -60 to +100°C. Setting time: 5 to 60 seconds depending on the substrates.

1355F2 Bottle 20 g NNO : 8040-14-448-4563

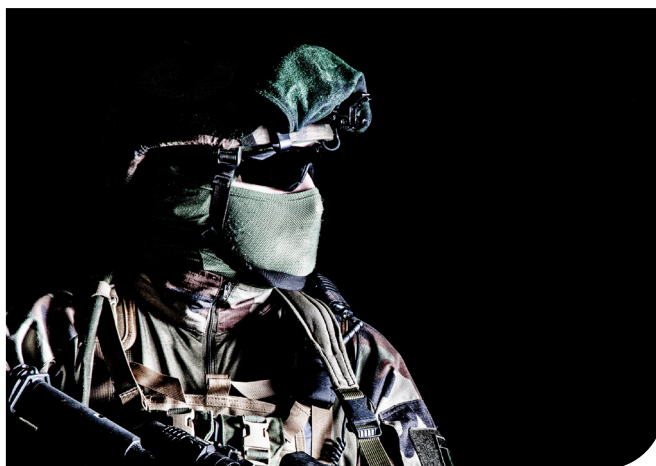
359 - C 2000/5



VERY FLUID AND ULTRA-FAST

Bonds all materials. Very low-viscosity adhesive for bonding by infiltration and capillary action on very smooth surfaces and close-fitting parts. Ideal for automated dispensing systems for repetitive, high-speed bonding operations.

1359F2 Bottle 20 g NNO : 8040-14-514-3646



PROTECTION

952 - LEAK DETECTOR



GAS LEAK DETECTOR

Suitable for detecting gas leaks, compressed air, oxygen, butane, propane, CO₂, etc., on fittings and valves. Detects leaks instantly by forming foam. Multi-position aerosol. Contains a corrosion inhibitor to prevent subsequent metal oxidation.

4952A4 Aerosol 650 mL NNO : 6850-14-422-4259

842 - PROTOR 842



INTERIM CORROSION PROTECTION

Fluid product, slightly waxy, for anti-corrosion protection of stored equipment. Dewatering effect. Leaves a very thin protective film compatible with most subsequent operations without cleaning: machining, lubrication... Salt spray resistance: >70 h Colour: yellow.

4842A4 Aerosol 650 mL NNO : 9150-14-552-6660

975 - BLEU DE PRUSSE



FLATNESS CONTROL

Engineer's marking blue for checking the mating and fitting of flat surfaces.

Used to identify high and low spots on bearing or contact faces during fitting operations. Enables precise machining or scraping to achieve accurate surface contact and optimal alignment. Removes easily with ORASOLV B30 - 564.

1975T3 Tube 100 g NNO : 8010-14-557-1806



VEHICLE MAINTENANCE

05162 - MECA SUP



FOAMING ALKALINE DETERGENT

Highly concentrated powerful degreaser, particularly effective on soot and combustion residues on engines. Foaming alkaline product suitable for hot use. Operating temperature: 40°C. Dosage: 5 to 30% (high-pressure spraying). Application time: 5 to 10 minutes.

TN051620441 Jerrycan 5 kg

TN051620447 Drum 25 kg

TN051620450 Drum 230 kg

05050 - PLATINIUM



PREMIUM SHAMPOO

Highly concentrated, particularly suitable for heavily soiled vehicles: HGVs, trailers, construction equipment, trains. Quickly removes all dirt while preserving surfaces (paintwork, tarpaulins, stainless steel, etc.). Suitable for high-pressure spraying or brush gantry systems. Easy rinsing and optimised biodegradability. Operating temperature: 40°C. Dosage: 5%. Application time: 5 minutes.

TN050500441 Jerrycan 5 kg

TN050500450 Drum 220 kg

TN050500447 Drum 25 kg

TN050500483 IBC 1050 kg

ODEG30 - DEG 3



EMULSIFIABLE TAR REMOVER

Cold degreasing solvent. Very powerful, for surfaces heavily soiled with petroleum-based products (engines, mechanical parts, tanks). Dilutable with water. Operating temperature: ambient. Dosage: 20% to neat (brush, sponge or airless spray). Application time: 1 to 10 minutes.

TNODEG300447 Drum 20 L

TNODEG300450 Drum 174 kg

TNODEG300483 IBC 870 kg

05023B - NETGLACE HIVER



WINDSCREEN WASHER FLUID

Concentrated windscreen washer fluid for thorough cleaning and degreasing of glazed surfaces on all vehicles (cars, HGVs, trains, etc.) without risk of damage to spray systems or contacting surfaces, regardless of material type. Freeze protection down to -27°C when used neat and can be diluted. Leaves no streaks or white marks after drying.

TN05023B0441 Jerrycan 5 L

TN05023B0450 Drum 200 L

TN05023B0447 Drum 20 L

TN05023B0483 IBC 1000 L

05360 - TRANSNET D



ALKALINE DEGREASER

Non-foaming alkaline industrial degreaser. Suitable for hot use. Approved for food contact. Effective for cleaning the interior of cold storage rooms, warehouses, chemical tanks, mechanical parts, engines and heavily soiled floors. Operating temperature: 50°C. Dosage: 10 to 20% (low-pressure spraying). Application time: 3 to 5 minutes.

TN053600441 Jerrycan 5 kg

TN053600447 Drum 25 kg

TN053600450 Drum 230 kg

01032 - ACID



ACID RENOVATOR

Acid descaler. Detergent with high wetting power. For internal cleaning of aluminium and stainless steel tanks. Cleans Aluminium wheels, tanks and varnished or painted wheel trims. Also removes heavy soiling from boat hulls. Operating temperature: 45°C. Dosage: 5 to 10% (low-pressure spraying). Application time: 5 to 10 minutes.

TN010320441 Jerrycan 5 kg

TN010320446 Drum 23 kg

TN010320450 Drum 260 kg

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**THE ORAPI MAINTENANCE
TEAM SUPPORTS YOU AT
EVERY STAGE OF YOUR
OPERATIONS**

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