# **MRO** Essentials



### The Right Product at the right place Advanced Solutions for Maintenance, Repair and Overhaul





### Cleaning & Degreasing

# Re-Assembling & Treating

## 800

#### **REDUCE 4**

#### **High Performance Release Agent**

Fast acting penetrating agent, developed for mechanical parts exposed to harsh conditions. Cleans, penetrates, dissolves rust, lubricates and protects. Provides a water-repellent and phosphate coating. Suitable for badly seized assemblies, bolts, nuts, screws, threads, pulleys. Frees corroded parts without thread damage. Contains no silicone. Non-flammable. Colour: Colourless. Flash Point: > 60°C Conforms to: Boeing D6-17487R; Airbus AIMS 09-00-002; US MIL G234 111; NATO Defense XS 66 -AIR DCSFA 604/1



#### Ref. / Packaging

0	0800	A2	Aerosol 250ML x 12		
0	0800	J1	Jerrican	5L x 4	
0	0800	02	Pail	25L	



WR+

#### **Moisture Displacer /** Penetrating Lubricant **Protects and lubricates** mechanical and electrical

equipment exposed to humid and corrosive environments. Cleans, loosens, lubricates and leaves a thin film to protect surface from corrosion. Non-flammable.

Non-corrosive. For electrical motors, circuit breakers, generators, ignition systems, injection moulds, tools and machineries. Di-electric breakdown > 40,000 volts. Colour: Light Brown Conforms to: Airbus PQ 81600: AIR 3634, NATO C 634, US MIL L3150 B Amdt 2.



Ref. / Packaging

0 0805 A4	Aerosol 40	00ML x 12
0 0805 J1	Jerrican	5L x 4
0 0805 02	Pail	25L

# 9082

#### QUIK-SOL

#### **Powerful Industrial** Renovator

Concentrated alkaline surface renovator, blend of biodegradable surfactants, safe solvents and corrosion inhibitors, formulated to auickly emulsifies grease, oil, grime and industrial soil. For automotive parts, marine equipment, mining machinery, machine tool, floors, aircraft hangars etc. Suitable for automatic machines. Non-corrosive. Safe for all surfaces. Non-flammable. Dilution: up to 1:20.

# 504

#### **SDI NEW**

#### Powerful Non-Flammable Solvent

Highly effective industrial degreasing agent, formulated for effective removal of fuel residues, synthetic oils, carbonized greases, tars, gums varnishes from mechanical surfaces. High evaporation leaving no residue behind. Powerful jet spray. Non-corrosive. Care to be taken on plastic materials. For engines blocks, carburetors, Hydraulic Cylinders, boiler burners, elevators, gate rods etc.

# 501

### **NET'DEX**

#### **High Purity Contact** Cleaner

Fast evaporating solvent, formulated to clean and deoxidize switched-off electrical contacts. Removes oil, grease, dirt, flux and other contaminants. Leaves a light film to lubricate and protect. Safe on plastic components. Electronic connectors, circuit breakers, electrical motors, generators, relays, solenoids, switches, plugs and jacks, micro bearings, ignition systems, micro mechanisms etc.



ion / Fuonaging			
0 9082 J1	Jerrican	5L x 4	
0 9082 02	Pail	25L	
0 9082 U2	Drum	205L	



### **KLEANER**

**Fast Dry Solvent** Fast acting multi-surfaces solvent cleaner, designed to quickly dissolves oil, grease and dirt on mechanical parts. Leaves no residue. Powerful jet spray. Safe on most plastic and fragile materials.

Recommended for engines, locks, piping, circuit boards, relays, surface before painting or bonding.

Non hazardous to humans and safe to the environment.



Ref. / Packaging 0 0504 A5 Aerosol 600ML x 12 0 0504 02 Pail 25L



### **ORANGE SOLVEN**

#### Environmentally Friendly Cleaner

Versatile safe degreasing solvent, blend of orange oils and synthetised mineral oils which effectively dissolves grease, heavy oil, bitumen, tar, wax, adhesive, sealant, oil based ink, chewing gum, silicone. Leaves a light film that protects part. Safe on most surfaces. For all mechanical parts, engines, electric motors, tanks. Can be used in dip tanks, ultrasonics baths, parts washer. Non-hazardous, Non flammable.



**Ref. / Packaging** 0 0501 A3 Aerosol 400ML x 12

#### **Non-Flammable Contact** Cleaner



Ref. / Packaging 0 0508 A3 Aerosol 330GM x 12 HT 600

601

#### Anti-Seize Aluminium Paste

Premium assembling and mounting paste, formulated for equipment operating in harsh oxidizing temperatures and environment. Provides a durable protection against rust and oxidation. Prevents galling, seizing, galvanic action and thread distortion. Will not harden over time. Extends life of outdoor and indoor installations. For petrochemical, marine, mine, bolts, nuts, headers flange. -40°C to +650°C. Colour: Silver



Ref. / Packaging 0 0601 A3 Aerosol 300ML x

0 0601 S1 Pail 5Kg	U	0001	AS	Aerosor	SUDIVIL X 12
	0	0601	<b>S1</b>	Pail	5Kg



### **TM 900S**

**Anti-Seize Copper Paste** High performance mounting and assembling paste for surface treatment and lubrication of parts exposed to harsh temperature and oxidizing environment. Reduces friction, galling and wear of mechanisms operating a low speed and high temperatures. Excellent thermal and electrical conductivity. Makes disassembling easier even after several years of installation. For treating tools, shafts, rollers, turbines pins, threaded parts, exhaust systems, nozzles in steelworks, automotive, marine. -40°C to +1100°C. Colour: Copper



Ref. / Packaging 0 0600 B6 Tin 500GM x 12 0 0600 S1 Pail 5Kg



Ref. / Packaging 0 0503 A4 Aerosol 400ML x 12



Ref. / Packaging 0 0550 J1 Jerrican 5L x 4 25L 0 0550 02 Pail 200L 0 0550 U1 Drum

	508	
JT	A90 H	

Ultra-high purity, fast drying electronic grade solvent for sensitive components. Penetrates deeply to dissolve grease, oil, dirt, flux, tar and other contaminants. 100% residue-free. Safe to spray on running equipment. Recommended for circuit boards, switches, connectors, electrical motors, relays, semiconductors, office equipment etc.

## Greasing

## 🍊 Lubricating



#### **CT41**

#### **EP Weatherproof Grease**

Adhesive lithium complex grease, for equipment and mechanisms operating under high shear stresses or high loading conditions. Exceptional extreme pressure lubrication, water and heat resistance. Stavs in place and protects mechanism from overload and shock. Extends lubrication intervals. For construction, industry and marine equipment, sleeve, fifth wheel, trailer wheel bearings, overhead crane, telescopic arm, slide, gear drive etc. -20°C to +230°C. NLGI: 2. Timken O.K. Load : 80LB

Colour: Gold Amber

Ref. / Packaging

0 0627 01 Pail

0 0627 C4 Cartridge 400GM x 12



#### M23

#### **High Temperature Non-Melt Grease**

High temperature bentone grease, designed for superior mechanical stability and moisture resistance. Perfect adhesion to metals, protect mechanisms from overloads and shock loads. Extends lubrication intervals. Recommended for extreme heat applications in automotive, industrial equipment, steel mills, glassworks, petrochemicals, bakeries, brickyards, shafts, articulated joints valves, boilers, extraction fans etc. -20°C to +260°C. **NLGI:** 2 Colour: Red



Ref. / Packaging 0 0623 C4 Cartridge 400GM x 12 0 0623 01 Pail 35LB

35LB

#### **WSA**

605

**EP Waterproof Grease** Premium calcium adhesive grease, for equipment and mechanisms operating under humid or submerged conditions. Insoluble in cold, hot and sea water. Protects all metal surfaces from humid and corrosive atmospheres. For Marine, offshore, paper industry, petrochemical, winch, trailer balls, valves, sliding gates... -30°C to +130°C. NLGI: 2. DN Factor: 50,000. 4-ball EP: 315 Kg. Colour: green. Conforms to: MAN 2232/79 -NATO G460, MIL G 24139 Amdtl. STM 7420B

Ref. / Packaging

0 0605 S1 Pail

0 0605 A3 Aerosol 300ML x 12

0 0605 C4 Cartridge 400GM x 12

5Kg



#### **M4**

#### **High Temperature MoS2 Grease**

High temperature EP bentone grease designed for mechanisms operating under extreme pressure at high temperature. Does not run off. Extend lifetime. Recommended for extreme heat applications in automotive, industrial equipment, brickyards, glasswork, bearings, open gears, axles, hinges, exhaust fans, cable tensors etc. -35°C to 225°C. **NLGI:** 2 DN Factor: 150,000 4-ball EP: 240 Kg Colour: Grey/black



#### **CTDMEP 2**

**E.P. Synthetic Grease** High Performance lithium complex grease, formulated for mechanisms operating under high temperatures and corrosive atmospheres. Insoluble in water and vapour. Enable mechanisms to operate at high speed from 500 to 8000 RPM. For use in refineries, chemical and petrochemical industries, paper mills and steel mills, bearings, joints, cams, pistons, slides etc. -30°C to +230°C. **NLGI:** 2 DN Factor: 500,000 4-ball EP: 315 Kg Colour: blue



Ref. / Packaging 0 0606 C4 Cartridge 400GM x 12 0 0606 S1 Pail 5 Ka



#### SI4

### Silicone Grease

Water-repellent grease formulated for mounting and greasing all mechanisms and electric components operating under water or humid environments. Protects against rusting and electric corrosion. Dielectrical properties and excellent thermal conductivity. Withstands solvent and chemical



Ref. / Packaging **0 0660 C4** Cartridge 400GM x 12



Ref. / Packaging 0 0621 T3 Tube 100GM x 12

## 806

#### CB6

**Extreme Pressure Chain Lubricant** Synthetic penetrating lubricant for mechanisms operating under severe load at high temperatures. Waterresistant. Non-staining, does not attract dust. Excellent adhesion. For chain drives systems, Textile, bottling and food processing equipment subjected to frequent washing, baking ovens, slaughterhouse, bottling equipment etc. -30°C to +320°C. Colour: Light yellow Approved by SEDIS



Ref. / Packaging

0 0806 A3 Aerosol 300ML x 12 0 0806 J1 Jerrican 5L x 4 0 0806 02 Pail 25L



### **TEFLISS 2**

Teflon<sup>®</sup> Dry Lubricant Fast drying Hydrophobic lubricant with very low coefficient of friction for mechanisms operating in dusty atmosphere. Protects against oxidation. Water, oil and acid resistant. Non-staining, Smooth non-sticky finish. Use in automotive, wood industry, textile, printing industries for matrices and rollers, sliding doors, sawblades, textile industry, conveyor belts, rotary sliding joints, chain operating under cold conditions, vending machines. -120°C to +250°C. Colour: Colourless



#### **ENG CB 612**

**Cables & Gears Lubricant** Soft adhesive grease, blend of lithium-calcium complex soaps and extreme pressure additives formulated for cables and open gears. Penetrates effectively to lubricate strands and cores. Excellent resistant to water and moisture. Reduces noise and energy consumption. Quarries, construction, harbour, cables and drives, cable car, bridge crane, tooth coupling, gear reducer etc. -50°C to +220°C **NLGI:** 0 DN Factor: 50,000 4-ball EP: 780 Kg Colour: Light brown



Ref. / Packaging

0	0612	<b>A</b> 4	Aerosol	400ML	Χ.	12
0	0612	<b>S1</b>	Pail		5ł	٢ġ



#### LUB CABLE

Synthetic Cable Lubricant Fluid adhesive lubricant formulated for cables operating under heavy load. High penetrating action for internal and external cable lubrication. Contains water repellent and extreme pressure agents. Increases life span of equipment while protecting against corrosion. For crane, cable car, hoist bridge, harbour, petrochemical, construction etc. Colour: Brown 4-ball wear: 1h at 40 Kg: <0.4 mm



Ref. / Packaging 0 0701 A4 Aerosol 400ML x 12



Ref. / Packaging 0 831E 01 Pail

20L

agents. For relays, connectors, battery terminals, assembly of rubber O-rings, valve, pumps. -40°C to +200°C. NLGI: 2. Colour: Translucent Conforms to: US MIL 8660C; NATO S 736; NATO G 392; ATEX 94/9/CE Directive.



#### NDI

#### **Powerful Dry Solvent**

Fast drying industrial solvent designed for degreasing surfaces before bonding or painting. Quickly removes oils, greasy deposits, and impurities. Leaves no residue. Recommended for locks, chains, cables, parts and piping in contact with gases or oxygen. Fast evaporation.

#### Ref. / Packaging

0 0507 A4 Aerosol 400ML x 12





507



**FREINAGE MOYEN** 

and assemblies designed to be disassembled

with standard tools. Protects against corrosion.

Resistance to vibrations. Withstands oils, water, gas.

M10: 10 to 20N/mm<sup>2</sup>. -60°C to +150°C. Colour: blue.

For automotive and manufacturing. Breakaway Torque on

**Medium Strength** 



Threadlocking

#### **FREINAGE FORT High Strength**

Permanent locking and sealing of threaded parts and assemblies which will not be dismantled. Protects against corrosion. Resistance to vibrations. Withstands oils, water, gas. For automotive, aeronautics and manufacturing. Breakaway Torque on M10 > 25N/mm<sup>2</sup>. -60°C to +150°C. Colour: green. Conforms to: EADS ASNA4030; French Army.

Ref. / Packaging 0 0300 F3 Bottle 50ML x 6 0 0300 F5 Bottle 250ML x 2

**ORAMETAL POCKET** 

Steel reinforced epoxy putty, provides fast

permanent repairs to ferrous and aluminum

hot and cold water, acids and bases. Easy to use

metals. Excellent resistance to oils, hydrocarbons,

and long lasting. Can be drilled, tapped machined

and painted. Repairs iron pipes, cracked castings,

gas and water tanks, radiators, duct work.

**Epoxy Repair Rod** 



221

Retaining

#### **FIXPRESS**

#### **High Strength Retainer**

High strength resin for use on press fit components and bearing where permanent fixing is required. Protects against corrosion. Excellent resistance to vibrations. Withstands oils, hot and cold water, gas. For automotive, aeronautics, construction and manufacturing. Shear Strength: 25N/mm<sup>2</sup> -60°C to +150°C. Colour: green. Conforms to: EADS ASNA4024; French Army.

#### Ref. / Packaging

**OXIGO** 

**Rust Remover** 

tanks, valves, pipes etc.

Colour: Pink.



Thixotropic one step corrosion remover and surface

in marine, automotive, metal equipment, machinery, bridges,

renovator for metallic equipment. Removes rust, degreases, etches and phosphatizes metal surfaces. Inhibits surfaces



**ORABOND 125** 

formulated for bonding and sealing all materials. High tensile and shear strength. Provides exceptional bond to stainless steel, aluminium, wood, glass. Resists oils, solvents, acids and water. Can be painted when surface is dry. Resists UV rays and elements. For sign boards, roof tiles, tiles, automotive, etc. -40°C to +150°C. Coverage: 1.5m<sup>2</sup> or 15m. Colour: white.



## Ref. / Packaging

-40°C to +150°C. Colour: Grey.

0 0221 D1 Stick 125 GM x 12



706

## 😵 Protecting Against Corrosion



### NZA BRIGHT

#### Shiny Cold Galvanizing

Exceptional zinc based coating which provides a long lasting corrosion protection of metallic parts exposed to corrosive atmospheres and extreme weather conditions High zinc content. Protects up to 3 years. Can be painted over. Leaves a shiny grey metallic finish. Protects and restores: Railings, welded joints, fences, piping, reservoirs. Salt Spray Test > 400hrs. -50°C to +200°C. Coverage: 1.5m²/aerosol

Ref. / Packaging 101 0 9964 J3 Pail

against further corrosion. Suitable for use





#### Mat Cold Galvanizing

Exceptional zinc based coating which provides a long lasting corrosion protection of metallic parts exposed to corrosive atmospheres, salt water and marine environment. High zinc content. Protects up to 5 years. Can be used as a primer for final coat. Leaves a mat grey finish. Protects and restores: Highway runners, welded joints, piping, reservoirs. Salt Spray Test > 500hrs. -50°C to +200°C. Coverage: 1.5m²/aerosol

### Ref. / Packaging 0 0650 A4 Aerosol 400ML x 12



#### black coating for long term protection. Eliminates the need for sandblasting. Can be painted without

**BLOC'RUST** 

**Rust Converter** 

preliminary cleaning. High heat resistant after curing. Over > 100 hrs salt spray testing. Excellent for outdoor as well as indoor protection. Use in transport, marine, automotive, construction equipment, factories. Coverage: 10-15 sqm / Ltr. Colour: Brown

Powerful rust passivator which converts rust to a tough

#### Ref. / Packaging

0 0954 J1 Jerrican 5Kg x 4

PROTOR SG 100



0 0706 A4 Aerosol 400ML x 12



**Medium Term Corrosion Protection** Red waxy corrosion inhibitor designed for medium term protection of components exposed to corrosive atmospheres. Leaves a water-repellent film which is self-healing. Dries rapidly. Protect between 6 months to 1 year indoor. For use on toolings, injection moulds and machined components during storage. Conforms to: MIL C81 309 E3; ISO L 6743/8 cat REE. Salt Spray Test > 100hrs. Colour: Red.

#### Ref. / Packaging

0 0804 A4 Aerosol 400ML x 12



### Ref. / Packaging 0 9715 02 Pail













9964



















protection of bare metal and plastic parts exposed to

prolonged environment attacks of elements. Leaves

a tough coating which is waterproof and scratch-

resistant. Dries rapidly. Restores surfaces to smooth finish.

Use in automotive, construction, marine, shipping, refineries

25L



## Long Term Protection







310





300











#### **REDUCE AL**

#### **De-Seizing Agent**

High performance penetrating de-seizing agent which cleans, lubricates and protects surfaces from corrosion. Preventive and curative action againt rust. Low surface tension. Water resistant. Odourless. Recommend for used on frozen nuts, bolts, fittings, hinges, shackles, lock mechanisms, springs, valves, in food processing, pharmaceutical and healthcare industry. Colour: Colourless





### ORASOLV T

#### Odourless Solvent Cleaner

Multi-purpose high evaporation solvent for effective cleaning of mechanical parts in food and pharmaceutical plants. Excellent compatibility on seals, rubbers, gaskets and all plastics. Degreases mechanical parts, stainless steel equipment, electric devices, windings, collectors. Can be used for cleaning surfaces before bonding or painting. Flash point: 41°C Dielectric strength: 60kV/cm



## 707

#### ORAFLON AL

**TEFLON® Based Lubricant** High technology lubricant, blend

of synthetic oil, micronized Teflon® particles and extreme pressure additives developed to reduce lubrication frequency of equipment exposed to temperatures, load and humidity. Protects surfaces from corrosion. Water-resistant. Does not stain. For pins, runners, bottle conveyors, overhead conveyors, trolley wheel pins, abattoirs, poultries etc. -30°C to +230°C Colour: White



# 615

CT 615

#### Extreme Pressure Grease

Premium white grease, blend of codex oil and calcium complex thickener food service equipment operating under high loads and temperatures. Insoluble in water, vapour, blood, alkaline and acids solutions. Non-staining. For ball bearings, articulated joints, shafts, cams, pistons, valves, packing machines and wrapping equipment. -20°C to +160°C (200°C in peak) NLGI: 2, DN Factor: 350,000 4-ball EP: 315 Kg Colour: White Opaque



Ref. / Packaging 0 0799 A2 Aerosol 250ML x 12



Colour: Colourless

NSF

 Ref. / Packaging

 0 0544 J1 Jerrican
 5L x 4

 0 0544 02 Pail
 25L



**V** Food Industry

812

SILAL

Silicone Lubricant

Premium semi-greasy agent

formulated for the lubrication

of mechanisms in food service

operating in high moisture

Water repellent, non-staining.

mechanisms, food racks, chutes,

assembly lines, slides, plastic

gears, release of injected and

and dusty conditions.

Chains, conveyors, open

moulded plastic parts.

40°C to +180°C

Colour: Colourless

Non-toxic, odourless.

Ref. / Packaging
0 0812 A4 Aerosol 400ML x 12



**Ref. / Packaging 0 0707 A4** Aerosol 400ML x 12



Ref. / Packaging

NSF

0 0615 C4 Cartridge 400GM x 12 0 0615 02 Pail 25Kg

## $\overrightarrow{\mathbf{P}}$ Food Industry

## 609

CT 609

#### Multi-Purpose Bearing Grease

High quality **translucent** grease, blend of **codex oil and inorganic thickener** for mechanism operating in agriculture, food and pharmaceutical industries. **Does not stain, excellent water resistance.** 

Use on bearings, rods, packaging, linkages, packaging industry and breweries. -30°C to +150°C. NLGI: 2. Drop point: None DN Factor: 350,000 4-ball EP: 180 Kg Colour: Translucent



#### SITEF GRADE 2 TEFLON<sup>®</sup> Based Silicone Grease

High performance grease for lubrication of equipment subjected to acid or alkaline conditions. For mechanisms operating at low speed under extreme high or low temperatures: linear bearings, ball bearings, tap fittings, valves, pneumatic mechanisms and jacks, abattoirs, bakeries. Excellent resistant to water washout. Does not stain. -60°C to +280°C. NLGI: 2. Drop point: None 4-ball EP: 150 Kg. Colour: White NSF



### ORANGE CREAM

**Citrus Hand Cleaner** Neutral hand washing lotion, blend of natural citrus oil, biodegradable surfactant and polymeric beads which combines effective cleaning with gentle rubbing action. Removes the toughest grease, oils, grime, soot, coal, gasket cement, glues and inks. Contains glycerine to hydrate and care for chapped hands. Leaves a pleasant citrus perfume. Contains no petroleum solvents. Mines, oil rigs, manufacturing and engineering workshops, garages etc. Colour: Orange

# Hand Care

### DERMA TUFF

9957

**Heavy Duty Hand Cleaner** Premium Mildly abrasive protein-bolstered hand cleaner, especially formulated to dissolve hard-to-remove grease and grime with or without water. Effective to remove grease, oil, dirt, paint, tar, shellac, duplicator ink, carbon black, adhesive and dye. Contains no harsh solvent. Leaves hands smooth with a pleasant scent. Suitable for use in mines, oil rigs, manufacturing and engineering workshops, garages etc. Colour: Orange

### ULTRA CLEAN WIPES

575

#### Hands and Surfaces Cleaner

Wipes impregnated with a natural plant extract solution, designed for effective degreasing of hands, tools and equipment heavily soiled by oils, greases, inks paints, petrol, tar, adhesive residue and soot. Cleans hands without water directly on site. Hypo-allergenic. Leaves a

pleasant mandarin scent on hands. Colour: Pink wipes





Ref. / Packaging 0 0609 A4 Aerosol 400ML x 12



 Ref. / Packaging

 0 0620 B7 Tin
 1Kg x 6



 Ref. / Packaging

 0 0580 J0 Jerrican
 3.8L x 4



 Ref. / Packaging

 0 9957 J0 Jerrican
 4L x 4



 Ref. / Packaging

 0 0575 S9 Bucket
 70 wipes

Since 1968, **ORAPI** (Office of Research and Application of Products for Industry) has been understanding and anticipating the requirements of the manufacturing industry. Providing mechanical and maintenance engineers, technologically Advanced Solutions, to improve the reliability and durability of their tools, while bringing down their operating costs. With 8 factories and a distribution coverage in 150 countries, **ORAPI Designs, Manufactures and Distributes a wide range of products for Maintenance** 

and Process in most industrial sectors. ORAPI has become the specialist in the state of the art products within the field of cleaning, lubricating, protecting, bonding, sealing and machining.

ORAPI products help to maintain, repair, rebuild, renovate and restore damaged and worn parts to guickly return equipment to full operations.

The high quality and manufacturing standards of **ORAPI** products are continually endorsed by our customers and tested by independent certification bodies, such as: **ISO standards (9001 & 14001)**, food standards (NSF, InS and FOOD CANADA), military standards (NATO, US MIL), aeronautical standards (ASNA, Aims, Boeing), international standards (BS: British, DIN: German, AFNOR: French), etc. These audits and certifications often award **ORAPI** the top grades, while respecting the standards of high quality in terms of products innovation and advance technology

The **ORAPI** laboratories of Research and Development are actively preparing for the future. **ORAPI** is committed to ensure safety and developing high quality products that are environmental friendly. Our goal is to provide technological innovations which are safe to the public health and maintaining the quality of the environment.



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