



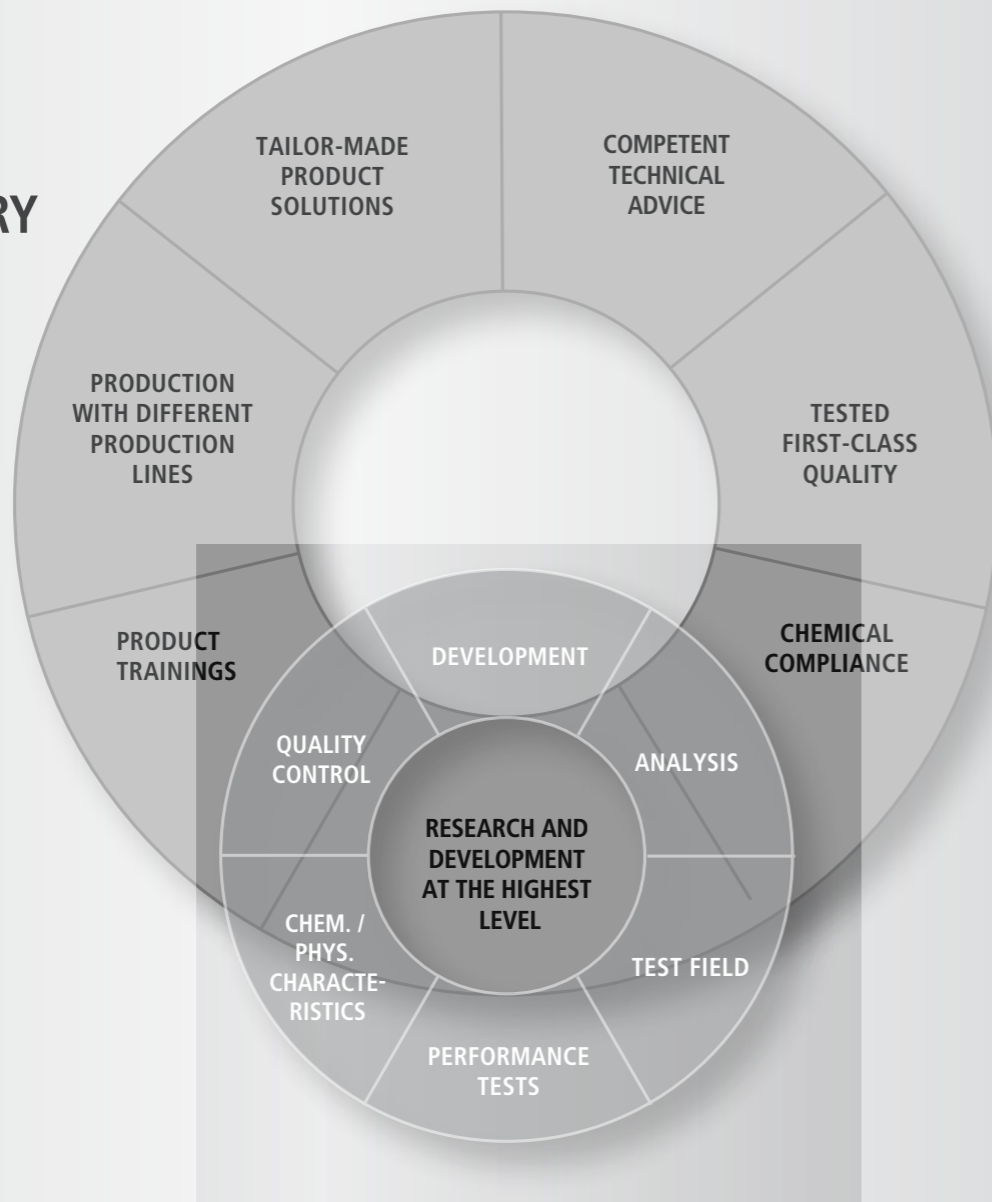
## TUNAP | INDUSTRY



**OUR SPECIALITIES:  
LUBRICATING, CLEANING, PROTECTING**



**DIVISION INDUSTRY**



**TUNAP – WE PROTECT VALUES**

TUNAP stands for enthusiasm and expertise in the field of chemical products. Our strengths lie in particular in the field of speciality lubricants and cleaning agents. We benefit from comprehensive product knowledge as we maintain our own R&D division. This is rounded off with internal chemical compliance and our application engineering consultants, making us the ideal partners to consult to ensure your future growth. Our efficient logistics system meets the needs of our global clientele.

To safeguard adherence to high quality standards we manufacture to ISO 9001 (certified quality management), ISO 14001 (certified environmental management system) and OHSAS (Occupational Health and Safety Assessment Series certified health and safety management). We cooperate with Oekoprofit (ecological project for integrated environmental engineering), are members of the Umwelt Pakt Bayern (Bavarian environment pact) and also supply products certified halal or kosher and registered by NSF International (the National Sanitation Foundation, a food safety standards group).

To constantly expand our expertise and actively influence our industrial environment we are a member of the Industrie-Gemeinschaft Aerosol (IGA), the German Chemical Industry Association e.V. (VCI), the German Lubricant Industry Association (VSI), the European Lubricating Grease Institute (ELGI) and working groups of the German Institute for Standardization (DIN) among other bodies.

We demonstrate to clients the solutions with which we can together meet our sustainability and sparing use of resources responsibilities. We are proud of supplying top quality and meeting the highest health and environmental compliance standards.



## WOLFRATSHAUSEN

Wolfratshausen near Munich is our group head office and one of our four production locations. Our central R&D is located here too.

The following are developed and manufactured here:

- Chemical engineering goods and services for our Automotive business unit, i.e. in the areas of maintenance, servicing, repair and problem solution.
- High performance and special lubricants for differing industrial applications ranging from those in heavy industry to the plastics industry via the food processing industry.
- Ranges of products for trademark marketing in the engineering, chemist's shop and multi-level trade fields.



## MAERSTETTEN

The Tunap group's Works III is in Maerstetten in the canton of Thurgau in eastern Switzerland.

30 employees mainly produce aerosols and liquids for the international market here – particularly brake cleaning agents, rust solvents and lubricants.

TUNAP AG began making aerosols in Maerstetten in 2000. This was followed by canister filling in 2003.

The Swiss location has proven ideal as it is close to national borders and Milan, Munich and Stuttgart are all within a short distance. The works have been modernised repeatedly in recent years e.g. by adding a loading bay and commissioning of additional raw materials tanks.



## LICHTENAU

At our Lichtenau location we produce:

- Aerosols on six filling lines
- Chemical-technical aerosols for our own, third party and other brands
- We manufacture aerosol cans up to 300 mm in height in standard and tailored sizes
- TUNAP uses propane-butane mixtures, dimethyl ether, nitrogen, CO2 and air as propellant

The location has existed since 1902 in various forms of legal ownership and manufacturing differing products. It was originally founded as a domestic wax and cleaning agent production location. Aerosols have been manufactured at Lichtenau since 1965. Oberlichtenau has been part of the TUNAP GROUP since 1997.



## KEMATEN / near Innsbruck

Tunap Cosmetics is a full service provider to the cosmetics industry based in Kematen in Tirol and with a wide range of production options: these range from development, manufacture, filling and picking and packing activities to purchasing primary materials and logistics goods and services.

As a full service provider the company offers high-quality cosmetic products in the fields of:

- Haircare
- Skincare
- Personal hygiene



*“Maximum reliability thanks to ideal lubrication and ideal separating protection.”*

### TUNPAS AL - ALUMINIUM PASTE

**PRODUCT DESCRIPTION**

Synthetic multipurpose lubricating and separating paste with inorganic thickener, metal pigments and a synergistic combination of additives.

Art. no.	Packaging unit/s
11A CD 12002a0400	400 ml
11A CD 12002g0010	1 kg

**PERFORMANCE**

- Very high load carrying capacity
- Resistant to high and low temperatures
- Protects against corrosion, wear and oxidation
- Protects against fusing, seizing, coking and carbon deposit
- Adhesive, water resistant

**FIELD OF APPLICATION**

- Basic and separating lubrication of contact surfaces subject to heavy loads

**TECHNICAL DATA**

- Colour: silver metallic
- Density, (20 °C), g/ml: 1.14
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- Operating temperature, °C: -40 up to 1100

### TUNPAS WP - WHITE PASTE

**PRODUCT DESCRIPTION**

Synthetic white installation and lubrication paste with inorganic thickener and white lubricating solids

Art. no.	Packaging unit/s
11A CD 12252g0001	100 g
11A CD 12252g0010	1 kg
11A CD 12252e0200	20 kg

**PERFORMANCE**

- Very high load carrying capacity
- Resistant to high temperatures
- Protects against corrosion, friction corrosion, fusing, seizing and scaling
- Does not react with most plastics
- Adhesive, water resistant
- Prevents sticking and slippage (Stick-slip)
- Clean in application

**FIELD OF APPLICATION**

- Installation and running-in lubrication
- For all applications for which dark paste is undesirable or frictional corrosion to be prevented

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 1.04
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- SKF-Emcor Test: 0/0
- Operating temperature, °C: -30 up to 1450

### TUNPAS CU- COPPER PASTE

**PRODUCT DESCRIPTION**

Synthetic lubricating and separating paste with inorganic thickener, copper pigments and a synergistic additive combination

Art. no.	Packaging unit/s
11A CD 12258g0010	1 kg

**PERFORMANCE**

- Very high load carrying capacity
- Resistant to high and low temperatures
- Protects against corrosion, wear and oxidation
- Protects against fusing, seizing, coking and carbon deposit
- Adhesive, water resistant
- Constant friction and torque values
- Seals well against dust

**FIELD OF APPLICATION**

- Assembly lubrication for screw and plug-in connections, seals, disc brakes, levers, joints, guides and shafts
- For all plant subject to high temperatures

**TECHNICAL DATA**

- Colour: copper metallic
- Density, g/ml: 1.27
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- Operating temperature, °C: -30 up to 1100

### TUNPAS CMF-33 - METAL-FREE PASTE

**PRODUCT DESCRIPTION**

Mineral, metal-free multipurpose paste with complex soap and solid lubricants

Art. no.	Packaging unit/s
1103608	1 kg
1101459	5 kg
1103609	25 kg

**PERFORMANCE**

- Extremely high load carrying capacity
- Excellent EP characteristics
- Very good separating properties
- Very good water resistance characteristics
- Protects against corrosion and friction corrosion
- Does not generate oil carbon at high temperatures

**FIELD OF APPLICATION**

- Assembly lubrication for screw and plug-in connections, seals, disc brakes, levers, joints, guides and shafts

**TECHNICAL DATA**

- Colour: beige
- Density, g/ml: 1.29
- Basic oil: petroleum
- Thickener: complex soap
- NLGI class: 2
- Drop point, °C: >280
- SKF-Emcor Test: 0/0
- Operating temperature, °C: -20 up to 1100

### TUNPAS MS - MoS<sub>2</sub>-PASTE

**PRODUCT DESCRIPTION**

Synthetic assembly paste with inorganic thickener and MoS<sub>2</sub>

Art. no.	Packaging unit/s
11A CD 12001a0400	400 ml (MS)
11ACD12000G0010	1 kg (MoS <sub>2</sub> )

**PERFORMANCE**

- Extremely high load carrying capacity
- Protects against corrosion, friction corrosion, fusing, seizing and scaling
- Water resistant
- Prevents sticking and slippage (Stick-slip)
- Provides emergency operation lubrication

**FIELD OF APPLICATION**

- Basic installation, assembly and running-in lubrication
- Parts subject to high pressures and corrosion
- For dry lubrication over +200 °C

**TECHNICAL DATA**

- Colour: grey-black
- Density, g/ml: 1.55
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- Operating temperature, °C: -30 up to 450

### TUNPAS H1 - H1 PASTE

**PRODUCT DESCRIPTION**

Synthetic efficacious white paste based on calcium sulphate and high quality solid lubricants

Art. no.	Packaging unit/s
1101868	100 g
1101869	1 kg
1102853	25 kg

**PERFORMANCE**

- Extremely high load carrying capacity
- Excellent corrosion protection
- Very good water resistance characteristics
- Protects against corrosion and friction corrosion
- Prevents stick-slip even at low speeds



**FIELD OF APPLICATION**

- For lubricating and separating components in the food processing and beverages industries subject both statically and dynamically to heavy load.
- This includes screw connection, sliding guides, sliding bearings and spindle drives. Eases work, prevents fretting corrosion

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 1.04
- Basic oil: synthetic oil
- Thickener: complex soap
- NLGI class: 2
- Drop point, °C: >280
- SKF-Emcor Test: 0/0
- Operating temperature, °C: -30 up to 800



*“Future-proof technology:  
Calcium sulfonate - greases meet  
the highest H1 stipulations.”*

**TUNGREASE SG - FLUOROCARBON GREASE**

**PRODUCT DESCRIPTION**

Chemically inert fluorocarbon grease with low solid content

Art. no.	Packaging unit/s
11A CF 13027a0100	100 ml
11A CF 13027g0001	Tin 100 g
11A CF 13127g001	Dispenser 100 g
11A CF 13027g0010	1 kg

**PERFORMANCE**

- High temperature resistance
- Resistant to water and corrosive media
- Low friction coefficient
- Does not react with most plastics
- Extremely adhesive
- Little ash residue
- Clean in application



**FIELD OF APPLICATION**

- Lubrication of all types of component subject to high temperatures and corrosive media, e.g. oxygen taps
- Especially suitable for ejector rods in plastics processing

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 1.84
- Basic oil: Fluorocarbon
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- Operating temperature; °C: -30 up to 300

**TUNGREASE 250 - HIGH TEMPERATURE GREASE**

**PRODUCT DESCRIPTION**

Synthetic grease with organic thickener and OMC<sub>2</sub>

Art. no.	Packaging unit/s
11A CF 13013g0004	400 g
11A CF 13013g0010	1 kg
11A CF 13013e0200	20 kg

**PERFORMANCE**

- Very high load carrying capacity
- High temperature resistance
- Protects against corrosion, friction corrosion, fusing, resinifying, carbon deposit and water impact
- Extremely resistant to age
- Clean in application

**FIELD OF APPLICATION**

- Lubrication of all types of bearings and contact surfaces subject to heavy loads and very high temperatures

**TECHNICAL DATA**

- Colour: opaque
- Density, g/ml: 0.95
- Basic oil: synthetic oil
- Thickener: organic
- NLGI class: 2
- Drop point, °C: none
- VKA Test, N: > 3000
- Operating temperature; °C: -25 up to 250

**TUNGREASE 300 - FLUOROCARBON GREASE**

**PRODUCT DESCRIPTION**

Chemically inert fluorocarbon grease with white solids

Art. no.	Packaging unit/s
11A CF 13014g0008	800 g
1A CF 13014g0010	1 kg
11A CF 13014g00100	10 kg

**PERFORMANCE**

- Very high load carrying capacity
- High temperature resistance
- Protects against corrosion, friction corrosion, fusing, carbon deposit and pitting
- Acid, solvent and caustic-resistant
- Resistant to hot and cold water
- Little ash residue
- Clean in application



**FIELD OF APPLICATION**

- High temperature use on roller, plain and ball bearings in environments that are corrosive or contain solvents
- Can be used for oxygen valves / taps
- Use in the food processing and beverages industries where unintentional contact with foodstuffs is possible

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 1.85
- Basic oil: Fluorocarbon
- Thickener: organic
- NLGI class: 2 (other consistency classes on request)
- Drop point, °C: none
- Operating temperature; °C: -30 up to 250

**TUNGREASE CP-2/50 RANGE - HIGH PERFORMANCE GREASE**

**PRODUCT DESCRIPTION**

High performance greases for the food processing industry on the basis of special complex soap with a mixture of synthetic base oils and additives

Art. no.	Packaging unit/s
1103743	400 g
1103744	1 kg
1103745	25 kg
1103746	180 kg

**PERFORMANCE**

- Excellent load bearing capacity for optimal wear protection
- Very good water resistance characteristics and excellent corrosion protection
- Very good oxidation and shear stability
- Dynamic, light



**FIELD OF APPLICATION**

- High performance grease with many uses for range variety reduction in the food processing, beverage and pharmaceutical industries
- Lubrication of all types of component including ball and plain bearings, linear guides and drives that are subject to high temperatures and pressures
- Makes lubrication despite adverse conditions and outdoor use feasible

**TECHNICAL DATA**

- Colour: beige
- Density, g/ml: 0.95
- Basic oil: synthetic oil
- Thickener: complex soap
- Drop point, °C: > 270
- SKF-Emcor Test: ≤ 1/1
- VKA Test, N: > 4200
- Operating temperature; °C: -40 up to 140

**TUNGREASE 400 - FLUOROCARBON GREASE**

**PRODUCT DESCRIPTION**

Chemically inert fluorocarbon grease with high solids content

Art. no.	Packaging unit/s
11A CF 13400g0001	Tin 100 g
11001137	Dispenser 100 g
11A CF 13400g0010	1 kg

**PERFORMANCE**

- Extremely high load carrying capacity
- High temperature resistance
- Excellent lubricating characteristics
- Low friction coefficient
- Physiologically harmless
- Clean in application

**FIELD OF APPLICATION**

- Lubrication of all types of component subject to high temperatures and corrosive media

**TECHNICAL DATA**

- Colour: pink
- Density, g/ml: 2.15
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class: 2
- Drop point, °C: none
- Operating temperature; °C: -30 up to 300

**TUNGREASE CP-2/200 RANGE - HIGH PERFORMANCE GREASE**

**PRODUCT DESCRIPTION**

High performance greases for the food processing industry on the basis of special complex soap with a mixture of highly viscous base oils and additives

Art. no.	Packaging unit/s
1103747	400 g
1103748	1 kg
1103749	25 kg
1103751	180 kg

**PERFORMANCE**

- Excellent load bearing capacity for optimal wear protection
- Very good water resistance characteristics and excellent corrosion protection
- Very good oxidation and shear stability



**FIELD OF APPLICATION**

- High performance grease with many uses for range variety reduction in the foodstuffs, drinks and pharmaceutical industries
- Lubrication of all types of component including ball and-, linear guides and drives that are subject to high temperatures and pressures.
- Makes lubrication despite adverse conditions and outdoor use feasible

**TECHNICAL DATA**

- Colour: beige
- Density, g/ml: 0.97
- Basic oil: synthetic oil
- Thickener: complex soap
- Drop point, °C: > 270
- SKF-Emcor Test: ≤ 1/1
- VKA Test, N: > 800
- Operating temperature; °C: -40 up to 160



*“TUNGREASE CK-2 is an excellent all-rounder predestined for reducing range sizes.”*

**TUNGREASE H1/EP-RANGE - EP MULTI-PURPOSE GREASE**

**PRODUCT DESCRIPTION**  
Synthetic aluminium complex greases with EP admixtures for the food processing, beverages and pharmaceutical industries

Art. no.	Packaging unit/s	NLGI
11A CF 13075g0004	400 g	2
11A CF 13074g0004	400 g	1
1101153	400 g	1
11A CF 13075g0010	1 kg	2
11A CF 13074g0250	25 kg	1
11A CF 13077e0250	25 kg	00
1100566	25 kg	000
11A CF 13075e0250	25 kg	2
1103356	25 kg	1-150

- PERFORMANCE**
- High load carrying capacity
  - Low friction coefficient
  - Very good corrosion protection
  - Resistant to hot and cold water
  - Very good lubricating properties
  - Physiologically harmless
  - Clean in application



- FIELD OF APPLICATION**
- Lubrication of all types of components in household appliances and in construction and agricultural machinery
  - For machinery subject to open-air weathering and shock loads such as waterborne vehicles, filling stations etc.

- TECHNICAL DATA**
- Colour: light yellow
  - Density, g/ml: 0.88
  - Basic oil: synthetic oil
  - Thickener: aluminium complex soap
  - NLGI class: 2, 1, 00, 000 (other classes on request)
  - Drop point > 240°C
  - Operating temperature; °C: -35 up to 120 (140 temporarily)

**TUNGREASE OMC2-PLUS RANGE**

**PRODUCT DESCRIPTION**  
Mineral oil lithium soap greases with flow smoothing OMC<sub>2</sub> technology

Art. no.	Packaging unit/s
1103740	400 g
1103741	1 kg
1103742	20 kg

- PERFORMANCE**
- Excellent lubricating and surface smoothing characteristics
  - Outstanding oxidation resistance
  - Extremely low friction coefficient
  - High load carrying capacity

- FIELD OF APPLICATION**
- Lubrication of bearings, guides, joints and all contact surfaces subject to heavy loads

- TECHNICAL DATA**
- Colour: red-brown
  - Density, g/ml: 0.85
  - Basic oil: mineral oil
  - Thickener: lithium soap
  - Drop point, °C: >185
  - SKF-Emcor Test: ≤ 1/1
  - VKA-Test, N: > 4000
  - Operating temperature; °C: -20 up to 120

**TUNGREASE DAB - MULTI-PURPOSE GREASE**

**PRODUCT DESCRIPTION**  
Multi-purpose grease containing white oil and a multifunctional additive combination for the food processing, beverage and pharmaceutical industries

Art. no.	Packaging unit/s
11A CF 13055g0004	400 g
11A CF 13055g0010	1 kg
11A CF 13055e0250	25 kg

- PERFORMANCE**
- Long-lasting corrosion protection
  - Good oxidation and ageing protection
  - Physiologically harmless
  - Universally applicable



- FIELD OF APPLICATION**
- Lubrication and care of seals, joints and moving parts subject to any risk of direct contact between lubricant and foodstuffs

- TECHNICAL DATA**
- Colour: transparent, colourless
  - Density, g/ml: 0.88
  - Basic oil: white oil
  - Thickener: inorganic
  - NLGI class: 2
  - Drop point, °C: none
  - Operating temperature, °C: -20 up to 120

**TUNGREASE CF-33 - GREASE PASTE**

**PRODUCT DESCRIPTION**  
Mineral, metal-free multipurpose paste with complex soap and solid lubricants

Art. no.	Packaging unit/s
11A CF 13066a0400	400 ml
11A CF 13066g0005	500 g
11A CF 13066g0050	5 kg
11A CF 13066g0250	25 kg

- PERFORMANCE**
- Extremely high load carrying capacity
  - Extreme resistance to high temperatures
  - Protects against corrosion, oxidation and scaling
  - Adhesive and absolutely water resistant
  - Protects against friction and wear
  - Good separating characteristics
  - Greasily soft, easy to use

- FIELD OF APPLICATION**
- For lubricating contact surfaces subject to heavy loads
  - Can be used as basic and anti-friction lubricant and as release agent ensuring safe and easing assembly / dismantling

- TECHNICAL DATA**
- Colour: blue
  - Density, g/ml: 1.20
  - Basic oil: mineral oil
  - Thickener: complex soap
  - NLGI class: 2
  - Drop point, °C: > 280
  - VKA-Test, N: > 7500
  - Operating temperature; °C: -20 up to 200
  - Paste lubricant up to +1100 °C
  - Dry lubrication

**TUNGREASE CK-2 - GREASE FOR HEAVY LOADS**

**PRODUCT DESCRIPTION**  
Mineral high-pressure grease with a special complex soap combination

Art. no.	Packaging unit/s
11A CF 13040g0004	400 g
11A CF 13040g0010	1 kg
11A CF 13040e0250	25 kg
11A CF 13040e1800	180 kg

- PERFORMANCE**
- Very high load carrying capacity
  - Low friction coefficient
  - Protects against corrosion
  - Resistant to hot and cold water
  - Adhesive and spin resistant
  - Ageing and shear stable

- FIELD OF APPLICATION**
- Low-maintenance long-term lubrication in all mechanical engineering and motor vehicle assembly fields

- TECHNICAL DATA**
- Colour: brown
  - Density, g/ml: 0.95
  - Basic oil: mineral oil
  - Thickener: complex soap
  - NLGI class: 2
  - Drop point, °C: > 285
  - VKA Test, N: > 4,000
  - Operating temperature, °C: -30 up to 160

**TUNGREASE EP-RANGE - EP MULTI-PURPOSE GREASE**

**PRODUCT DESCRIPTION**  
Mineral multi-purpose lithium soap greases with EP admixtures

Art. no.	Packaging unit/s
11A CF 13028g0004	400 g
11A CF 13028g0010	1 kg
11A CF 13028e0250	25 kg
11A CF 13028e1800	180 kg

- PERFORMANCE**
- High load carrying capacity
  - Protects against corrosion and friction corrosion
  - For medium to high speeds
  - Ageing and shear stable
  - Can be used in central lubrication systems

- FIELD OF APPLICATION**
- Lubrication of bearings, guides, joints, levers and shafts subject to heavy loads

- TECHNICAL DATA**
- Colour: brown
  - Density, g/ml: 0.95
  - Basic oil: mineral oil
  - Thickener: lithium soap
  - NLGI class: 2 (other consistency classes on request)
  - Drop point, °C: > 185
  - VKA-Test, N: > 2400
  - Operating temperature; °C: -30 up to 130



**TUNGREASE MO - EP-MULTI-PURPOSE GREASE WITH BLACK SOLID LUBRICANT SUBSTANCES**

**PRODUCT DESCRIPTION**

Mineral multi-purpose lithium soap greases with EP admixtures and black solid lubricant substances for dry running properties

Art. no.	Packaging unit/s
1103590	1 kg
11ACF13036G0250	25 kg

**PERFORMANCE**

- Very high load carrying capacity
- Protects against corrosion and friction corrosion
- For low and medium speeds
- Ageing and shear stable

**FIELD OF APPLICATION**

- Bearings, guides, joints, levers and shafts subject to impact and/or vibration

**TECHNICAL DATA**

- Colour: grey-black
- Density, g/ml: 0.97
- Basic oil: mineral oil
- Thickener: lithium soap
- NLGI class: 2
- Drop point, °C: > 185
- VKA-Test, N: > 3000
- Operating temperature, °C: -20 up to 120

**TUNGEAR H1-RANGE - GEAR OILS**

ISO VG	Art. no.	Packaging unit/s
46	11A CI 17056I0200	20 L
46	11A CI 17056I2000	200 L
68	1101026	20 L
68	11A CI 17057I2000	200 L
100	11A CI 17050I020	20 L
100	11A CI 17050I2000	200 L
150	11A CI 17051I0200	20 L
150	1100564	200 L
220	11A CI 17052I0200	20 L
220	11A CI 17052I2000	200 L
320	11ACI17053I00200,	20 L
320	11A CI 17053I2000	200 L
460	11A CI 17054I0200	20 L
460	11A CI 17054I2000	200 L

**PERFORMANCE**

- High load bearing capacity
- Protects against corrosion
- Reduces noise and vibration
- Can tolerate heavy loads
- Physiologically harmless



**FIELD OF APPLICATION**

- For industrial gear boxes subject to the risk of direct contact between lubricant and foodstuffs

**PRODUCT DESCRIPTION**

Physiologically harmless synthetic gear box oils for the foodstuffs industry

**TECHNICAL DATA**

- Colour: colourless- light yellow
- Density, g/ml: 0.84 - 0.86
- Basic oil: synthetic oil
- ISO-VG: 100,220,320,460
- Pourpoint, °C: -45 up to -33
- Flash point, °C: 250 - 255
- FZG (A/8,3/90), load stage > 12

**TUNGREASE ST-3 - SILICONE GREASE**

**PRODUCT DESCRIPTION**

Fully synthetic adhesive silicone grease with synergistically harmonised solid lubricant substances

Art. no.	Packaging unit/s
1100805	100 g
11A CF 13087g0010	1 kg
11A CF 13087e0250	25 kg

**PERFORMANCE**

- Extremely adhesive on ceramic surfaces
- Resistant to hot and cold water
- Steam resistant up to +140 °C
- Does not react with most plastics
- Physiologically harmless
- Meets the UBA guidelines



**FIELD OF APPLICATION**

- Lubrication of all components of sanitary valves and taps in the valve/tap and non-potable water industries
- Lubrication of plastic/plastic, plastic/metal, ceramics/ceramics and ceramics/metal contact surfaces

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 1.23
- Basic oil: silicone oil
- Thickener: organic
- NLGI class: 3
- Drop point, °C: none
- Operating temperature, °C: -30 up to 180

**TUNGEAR S-RANGE - SYNTHETIC INDUSTRIAL GEAR OILS**

**PRODUCT DESCRIPTION**

Gear box oils on a mineral oil and OMC<sub>2</sub> base

ISO VG	Art. no.	Packaging unit/s
220	11A CI 17003I0200	20 L
220	11A CI 17003I2000	200 L
320	11A CI 17004I0200	20 L
320	11A CI 17004I2000	200 L
460	11A CI 17005I0200	20 L
460	11A CI 17005I2000	200 L

**PERFORMANCE**

- Extremely high load bearing characteristics
- Smooths pitting and damage
- Protects against corrosion, carbon deposit and friction corrosion
- High temperature resistance
- Quick running in and extended service life

**FIELD OF APPLICATION**

- For extending the service life of all industrial gears subject to extreme loading and high temperatures.
- Not for synchronous or automatic gear boxes

**TECHNICAL DATA**

- Colour: greenish
- Density, g/ml: 0.92 - 0.93
- Basic oil: synthetic oil
- ISO-VG: 220,320,460
- Pourpoint, °C: -27 up to -24
- Flash point, °C: 240 - 250
- FZG Test (A/16,6/90), load stage > 12

**TUNGREASE BS - SPECIAL GREASE FOR NON-FERROUS METAL LUBRICATION**

**PRODUCT DESCRIPTION**

Synthetic grease with inorganic gel thickener and OMC<sub>2</sub>

Art. no.	Packaging unit/s
11A CF 13021g0010	1 kg

**PERFORMANCE**

- Specially for non-ferrous metals
- High load carrying capacity
- Protects against corrosion and pitting
- Extremely adhesive
- High sealant effect
- Resistant to hot and cold water
- Reduces noise and vibration

**FIELD OF APPLICATION**

- Lubrication of all types of non-ferrous metal/steel components subject to difficult operating conditions and media effects
- Plain and roller bearings, prop shafts, universal joints, spindles, guides, cams, conveying chains and gear wheels
- Specially intended for trapezoidally threaded spindles on scissor lifting devices

**TECHNICAL DATA**

- Colour: light brown
- Density, g/ml: 0.95
- Basic oil: synthetic oil
- Thickener: inorganic
- NLGI class:1
- Drop point, °C: none
- Operating temperature, °C: -20 up to 140

**TUNGEAR RANGE - INDUSTRIAL GEAR OILS**

ISO VG	Art. no.	Packaging unit/s
68	11A CI 19001I0200	20 L
68	11A CI 19001I2000	200 L
100	11A CI 19002I0200	20 L
100	11A CI 19002I2000	200 L
150	11A CI 19000I0200	20 L
150	11A CI 19000I2000	200 L
220	11A CI 19003I0200	20 L
220	11A CI 19003I2000	200 L
320	11A CI 19004I0200	20 L
320	11A CI 19004I2000	200 L
460	11A CI 19005I2000	200 L
680	11A CI 19006I2000	200 L

**PERFORMANCE**

- Extremely high load bearing characteristics
- Smooths pitting and damage
- Quick running in and extended service life
- Protects against corrosion and friction corrosion
- Highly adhesive properties

**FIELD OF APPLICATION**

- For extending the service life of all industrial gear boxes subject to the highest surface pressure and shocks. Not for synchronous or automatic gear boxes

**PRODUCT DESCRIPTION**

Multi-purpose oil on a mineral oil and OMC<sub>2</sub> base

**TECHNICAL DATA**

- Colour: brown-greenish
- Density, g/ml: 0.88 - 0.90
- Basic oil: mineral oil
- ISO-VG: 68,100,150,220,320,460,680
- Pourpoint, °C: -22 up to -15
- Flash point, °C: 223 - 234
- FZG Test (A/16,6/90), load stage > 12



*“Energy saving made easy with our oils with optimised friction values.”*

### TUNFLUID HT- RANGE - CHAIN OILS

#### PRODUCT DESCRIPTION

Synthetic chain oils with OMC<sub>2</sub>

ISO VG	Art. no.	Packaging unit/s
200	11A CI 14015I0200	20 L
200	11A CI 14015I02000	200 L
2200	11A CI 14017a0400	400 ml
2200	11A CI 14017I0200	20 L
2200	11A CI 14017I2000	200 L

#### PERFORMANCE

- Extremely high load carrying capacity
- Protects against corrosion
- Does not resinify or glue
- Good penetrating and adhesion properties
- High temperature resistance
- Resistant to water and corrosive media

#### FIELD OF APPLICATION

- For chains in all fields subject to extreme stipulations
- For liquid lubrication of bearings, gear boxes, joints, guides and fixtures and fittings subject to great strain

#### TECHNICAL DATA

- Colour: green
- Density, g/ml: 0.92 (HT 200) 0.925 (HT 2200)
- Basic oil: synthetic oil and ester
- ISO-VG: 200, 2200
- Pourpoint, °C: -23 up to -10
- Flash point, °C: 224 up to 280

### TUNFLUID LT 220 - CHAIN AND ROPE OIL

#### PRODUCT DESCRIPTION

Synthetic chain oils with OMC<sub>2</sub> and polymer admixtures

Art. no.	Packaging unit/s
11ACI14004a0400	400 ml
11A CI 14004I0200	20 L
11A CI 14004I2000	200 L

#### PERFORMANCE

- High load carrying capacity
- Reduces friction and wear
- Protects against corrosion
- Does not resinify or glue
- Good penetrating and adhesion properties
- Resistant to water and corrosive media
- For high speeds

#### FIELD OF APPLICATION

- Lubrication of chains, spindles, joints, guides and fixtures and fittings subject to extreme temperatures

#### TECHNICAL DATA

- Colour: light yellowish
- Density, g/ml: 0.93
- Basic oil: synthetic oil
- ISO-VG: 220
- Pourpoint, °C: -35
- Flash point, °C: > 245

### TUNFLUID HTC- RANGE - HIGH TEMPERATURE CHAIN OILS

#### PRODUCT DESCRIPTION

High temperature oil on a basis of synthetic oil with additives preventing corrosion, ageing and wear with a low evaporation rate

ISO VG	Art. no.	Packaging unit/s
100	1103794	20 L
260	1103061	20 L

#### PERFORMANCE

- Extremely low evaporation rate
- Excellent adhesive properties preventing dripping and spinning off
- Very high load bearing characteristics

#### FIELD OF APPLICATION

- Lubrication of conveying, drive and control chains subject to high temperatures, e.g.
  - dry ovens in painting workshops
  - hardening ovens. e.g. in mineral wool and plasterboard production, and
  - shrinking ovens

#### TECHNICAL DATA

- Colour: transparent yellowish
- Density, g/ml: 0.90 (HTC 260) 0.94 (HTC 100)
- Basic oil: synthetic oil
- Pourpoint, °C: -40 up to -25
- Flash point, °C: > 250

### TUNFLUID TAC 2000 - ADHESIVE LUBRICANT

#### PRODUCT DESCRIPTION

Physiologically harmless, synthetic adhesive lubrication

Art. no.	Packaging unit/s
11A CI 14224a0500	500 ml

#### PERFORMANCE

- Physiologically harmless
- Spin resistant
- Very high adhesive properties
- Resistant to water
- Good penetration properties
- Excellent corrosion protection
- Protects against wear, oil ageing and non-ferrous metal corrosion



#### FIELD OF APPLICATION

- Lubrication of chains, ropes, open drives, levers, joints, rods, hinges, contact surfaces and bearings where there is any risk of direct contact between lubricant and foodstuffs

#### TECHNICAL DATA

- Colour: transparent, colourless
- Density, g/ml: 0.87
- Basic oil: synthetic oil
- Viscosity at 40°C, mm<sup>2</sup>/s: 2000
- Pourpoint, °C: -20
- Flash point, °C: > 200

### TUNFLUID HTFG RANGE - HIGH TEMPERATURE H1 CHAIN OIL

#### PRODUCT DESCRIPTION

Synthetic high temperature chain oil for physiologically sensitive applications

ISO VG	Art. no.	Packaging unit/s
100	1101234	20 L
260	1100278	20 L

#### PERFORMANCE

- Excellent high temperature characteristics
- Extremely low evaporation rate
- Extremely low residue No resinifying or oil coal generation
- Very high load bearing characteristics



#### FIELD OF APPLICATION

- Chain lubrication in the extremely high temperature field:
  - chains in baking lines
  - Lubrication of all machinery parts in the high temperature field

#### TECHNICAL DATA

- Colour: reddish yellow
- Density, g/ml: 0.98 (HTFG 100) 0.97 (HTFG 260)
- Basic oil: synthetic oil
- Pourpoint, °C: -39 up to -18
- Flash point, °C: > 280





*“Tailored solutions for special stipulations.”*

**TUNFLUID GN – GLASS MACHINE OIL**

**PRODUCT DESCRIPTION**

Synthetic transparent special oil with OMC<sub>2</sub> technology

Art. no.	Packaging unit/s
1100513	1000 L

**PERFORMANCE**

- High load carrying capacity
- High temperature resistance
- Reliable corrosion protection
- Outstanding adhesive properties
- Low evaporation rate

**FIELD OF APPLICATION**

- Lubrication in the high temperature field specially developed and well proven for lubricating hollow glass machinery (e.g. Emhart IS)

**TECHNICAL DATA**

- Colour: yellow-brown
- Density, g/ml: 0.88
- Basic oil: synthetic oil
- ISO-VG: 220
- Pourpoint, °C: -20
- Flash point, °C: > 230

**TUNERT FL 460 – FLUOROCARBON OIL**

**PRODUCT DESCRIPTION**

Physiologically harmless water clear inert oil

Art. no.	Packaging unit/s
11A CI 14034I0010 Fluorescent	1 L
11A CI 18013I0010	1 L
11A CI 14004I2000	200 L

**PERFORMANCE**

- Extreme oxidation and ageing stability
- Outstanding chemical stability
- Non-flammable
- Very good material tolerance, particularly to plastics

**FIELD OF APPLICATION**

- Lubrication and care of seals, joints, chains and moving parts subject to any risk of direct contact between lubricant and foodstuffs

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 1.92
- Basic oil: fluorocarbon oil
- ISO-VG: 460
- Pourpoint, °C: < -20
- Drop point, °C: none

**TUNFLUID HTG – GLASS MACHINE OIL**

**PRODUCT DESCRIPTION**

Fluid based on mineral oil with additives against ageing and corrosion

ISO VG	Art. no.	Packaging unit/s
170	1103925	20 l
200	1103924	20 l

**PERFORMANCE**

- Extremely adhesive
- Protects against corrosion and water impact
- Good penetration properties
- Clean in application

**FIELD OF APPLICATION**

- Safety lubrication and corrosion protection for chains, ropes, gear wheels, joints, joint rods, spindles and fixtures and fitting subject to moderate load

**TECHNICAL DATA**

- Colour: yellowish brown
- Density, g/ml: 0.82
- Basic oil: mineral oil
- Pourpoint, °C: -25
- Flash point, °C: > 230

**TUNCUT STF – COOLING LUBRICANT THAT DOES NOT MIX WITH WATER**

**PRODUCT DESCRIPTION**

Rapidly evaporating, water non-miscible cooling lubricant of a combination of physiologically harmless solvents

Art. no.	Packaging unit/s
11A CL 15039L2000	200 L

**PERFORMANCE**

- Evaporates without residue
- Very good load bearing capacity
- Improves tool service life



**FIELD OF APPLICATION**

- All areas in which after degreasing further surface finishing is to be waived:
  - stamping and fine stamping;
  - drawing and deep drawing;
  - bending, edge-chamfering and shaping.

**TECHNICAL DATA**

- Colour: transparent, light yellow
- Density, g/ml: 0.76
- Flash point, °C: > 56
- Evaporation no.: 85

**TUNFLUID LG-RANGE – MULTI-PURPOSE OILS**

ISO VG	Art. no.	Packaging unit/s
32	11A CI 14051I0200	20 L
32	11A CI 14051I2000	200 L
46	11A CI 14052I0200	20 L
46	11A CI 14052I2000	200 L
68	11A CI 14053I2000	200 L
100	11A CI 14054I0200	20 L
100	11A CI 14054I2000	200 L
150	11A CI 14055I2000	200 L

**PERFORMANCE**

- High load bearing capacity
- Reduces noise and vibration
- Protects against corrosion and is ageing and shearing stable
- Physiologically harmless
- Universally applicable



**FIELD OF APPLICATION**

- Applications in bakeries, bread factories, dairies, abattoirs, meat factories, animal farms, drink and packaging industries.

**PRODUCT DESCRIPTION**

Physiologically harmless paraffin oil with additives

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.86 - 0.88
- Basic oil: paraffin oil
- ISO-VG: 32,46,68,100,150 (other viscosity classes on request)
- Pourpoint, °C: -11 up to -9
- Flash point, °C: 175 up to 220

**TUNCUT B 40 – COOLING LUBRICANT THAT DOES NOT MIX WITH WATER**

**PRODUCT DESCRIPTION**

Transparent native oil with high pressure admixtures and oxidation and corrosion inhibitors

Art. no.	Packaging unit/s
11A CL 15042I0200	20 L
11A CL 15042I2000	200 L

**PERFORMANCE**

- Extremely good lubrication performance
- Very good adhesion properties
- Extends tool service lives
- High surface quality
- Biodegradable

**FIELD OF APPLICATION**

- Cutting oil for drilling, cutting threads, sawing and turning
- Shaping / remodelling oil for use in bending, flanging, folding, deep drawing and stamping

**TECHNICAL DATA**

- Colour: transparent yellow-brown
- Density, g/ml: 0.92
- Basic oil: native ester
- ISO-VG: 46
- Pourpoint, °C: < -10
- Flash point, °C: > 280

**TUNFLUID DAB – MULTI-PURPOSE OIL**

**PRODUCT DESCRIPTION**

Medical paraffin oil for the food processing, beverages and pharmaceutical industries

Art. no.	Packaging unit/s
11A CI 14001a0500	500 ml
11A CI 14001I0200	20 L
11A CI 14001I2000	200 L

**PERFORMANCE**

- Protects against corrosion
- Absolutely odourless and tasteless
- For cleaning, caring and protection



**FIELD OF APPLICATION**

- Lubrication and care of seals, joints, chains and moving parts subject to any risk of direct contact between lubricant and foodstuffs

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.87
- Basic oil: paraffin oil
- ISO-VG: 68
- Pourpoint, °C: < -9
- Flash point, °C: 245

**TUNBAR HLP-RANGE – HIGH PRESSURE HYDRAULIC OILS**

ISO VG	Art. no.	Packaging unit/s
22	11A CI 16004I0200	20 L
22	11A CI 16004I2000	200 L
32	11A CI 16005I0200	20 L
46	11A CI 16006I0200	20 L
46	11A CI 16006I2000	200 L
68	11A CI 16007I0200	20 L
68	11A CI 16007I2000	200 L
100	11A CI 16008I2000	200 L

**PERFORMANCE**

- High load bearing capacity
- Protects against corrosion
- Does not react with non-ferrous metals
- High oxidation stability
- Excellent foaming characteristics
- Good air separation properties

**FIELD OF APPLICATION**

- In all hydraulic systems.
- DIN 51524 stipulations are greatly exceeded.

**PRODUCT DESCRIPTION**

Hydraulic oils on a mineral oil basis

**TECHNICAL DATA**

- Colour: brown
- Density, g/ml: 0.86 – 0.88
- Basic oil: mineral oil
- ISO-VG: 22, 32, 46, 68, 100
- Pourpoint, °C: -25 up to -20
- Flash point, °C: 200 up to 225



*“TUNAIR TS 46 expertly combines economy and performance.”*

## TUNAIR PAO-RANGE – COMPRESSOR OIL

### PRODUCT DESCRIPTION

Physiologically harmless synthetic base oil with additives for the food processing, beverages and pharmaceutical industries

ISO VG	Art. no.	Packaging unit/s
46	11A CI 15011I0200	20 L
46	11A CI 15011I2000	200 L
68	11A CI 15008I0200	20 L
68	11A CI 15008I2000	200 L
100	11A CI 15009I0200	200 L

### PERFORMANCE

- Good ageing and oxidation resistance
- Good elastomer tolerance
- Good corrosion protection
- Reduces operating costs
- Long oil change intervals



### FIELD OF APPLICATION

- Lubrication of compressors and vacuum pumps of various designs

### TECHNICAL DATA

- Colour: transparent, colourless
- Density, g/ml: 0.83 - 0.85
- Basic oil: synthetic oil
- ISO-VG: 46, 68, 100
- Pourpoint, °C: -50 up to -27
- Flash point, °C: 250 up to 25
- FZG (A/8, 3/90), load stage > 12

## TUNTHERM S68 – HEAT TRANSFER MEDIA OIL

### PRODUCT DESCRIPTION

Synthetic heat transfer fluid for use in unpressurised sealed heat transfer plant

Art. no.	Packaging unit/s
11A CI 15008al2000	200 L

### PERFORMANCE

- High temperature and age stability
- High boiling point at normal pressure
- Good heat transfer characteristics
- Very good viscosity / temperature properties
- Little coking tendency
- Good corrosion protection
- Not toxic
- Compliant with NSF H1

### FIELD OF APPLICATION

- Heat transfer plant in the: chemical, plastics, foodstuffs, paper, chip-board, wood and textiles industries and in washing and cleaning plant and asphalt plants

### TECHNICAL DATA

- Colour: transparent, almost colourless
- Density, g/ml: 0.84
- Basic oil: synthetic oil
- ISO-VG: 68
- Pourpoint, °C: -45
- Flash point, °C: > 240
- Specific heat, kJ/kg\*K: 2.0 - 2.8 (50 bis 300 °C)
- Max. film temperature: 350 °C

## TUNAIR RANGE – COMPRESSOR OIL

### PRODUCT DESCRIPTION

Synthetic base oil with additives

ISO VG	Art. no.	Packaging unit/s
100	11A CI 15004I0200	20 L
100	11A CI 15004I2000	200 L
150	11A CI 15005I0200	20 L
150	11A CI 15005I2000	200 L

### PERFORMANCE

- Long service life
- Protects against carbon deposit and resinifying
- High safety level
- New additive technology
- Little oil mist (aerosol)
- Good air separation properties
- Low oil consumption
- High lubricant film stability

### FIELD OF APPLICATION

- Lubrication of compressors and vacuum pumps of various designs: rotation, screw, piston compressors for air and most technical gases
- Trouble-free operation at high temperatures
- Reliable long-term operation with extended oil change and servicing intervals
- Make greater serviceability and cost reduction feasible
- BAM approved for oxygen TUNAIR 100

### TECHNICAL DATA

- Colour: yellowish transparent
- Density, g/ml: 0.93 - 0.96
- Basic oil: synthetic oil
- ISO-VG: 100, 150 (other consistency classes on request)
- Pourpoint, °C: -50 up to -30
- Flash point, °C: > 240

## TUNAIR TS 46 – COMPRESSOR OIL

### PRODUCT DESCRIPTION

Semi-synthetic basic oil with additives

Art. no.	Packaging unit/s
11A CI 15007I0200	20 L
11A CI 15007I2000	200 L

### PERFORMANCE

- Long service life
- Protects against resinifying and carbon deposit
- New additive technology
- Little oil mist (aerosol)
- Good air separation properties
- Low oil consumption
- High lubricant film stability
- Better cooling effect

### FIELD OF APPLICATION

- For screw compressors with oil injection
- For trouble-free long-term operation with extended oil change and service intervals

### TECHNICAL DATA

- Colour: yellow-brown
- Density, g/ml: 0.86
- Basic oil: semi-synthetic oil
- ISO-VG: 46
- Pourpoint, °C: -18
- Flash point, °C: > 228



\* n-Hexane is a colourless volatile fluid. Frequent contact with products containing n-Hexane may cause irreversible damage to the central nervous system. According to the German Ordinance on Hazardous Substances the cleaning product with the lowest hazard potential must be used in every workshop. Failure to do so may attract severe penalties in law.

### TUNGARD MP – RUST SOLVENT

**PRODUCT DESCRIPTION**

Synthetic oil with OMC<sub>2</sub>

Art. no.	Packaging unit/s
11A CH 20300a0400	400 ml

**PERFORMANCE**

- Rust solvent, protects against corrosion
- High penetration properties
- Not toxic
- Non-polluting filling
- Does not resinify or glue
- Good cleaning properties

**FIELD OF APPLICATION**

- For dismantling parts rusted, burnt in or stuck
- For lubricating subordinate lubricating points
- For maintenance, service and repair use

**TECHNICAL DATA**

- Colour: brown
- Density, g/ml: 0.84
- Basic oil: synthetic oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 13
- Pourpoint: -40 °C
- Flash point, °C: > 200

### TUNGARD FD – MULTIFUNCTIONAL OIL

**PRODUCT DESCRIPTION**

Colourless synthetic oil with multi-functional additive combination for the food processing, beverages and pharmaceutical industries

Art. no.	Packaging unit/s
11A CH 20301a0400	400 ml

**PERFORMANCE**

- Reduces wear
- Long-lasting corrosion protection
- Good oxidation and ageing protection
- Good penetrating properties



**FIELD OF APPLICATION**

- Lubrication and care of connections, chains, seals and moving parts
- Can be used as release agent and corrosion protection

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.83
- Basic oil: synthetic oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 32
- Pourpoint: -50 °C
- Flash point, °C: 235

### TUNGARD SI – SEPARATION AND LUBRICATING MEDIUM

**PRODUCT DESCRIPTION**

Silicone oil with outstanding plastics care characteristics

Art. no.	Packaging unit/s
11A CH 20303a0400	400 ml

**PERFORMANCE**

- Transparent
- Clean, non-soiling
- Not greasy
- High wetting / spraying capacity
- Displaces damp and moisture
- For care and protection
- Prevents plastics ageing and static charge

**FIELD OF APPLICATION**

- As release agent, anti-static media for metals, plastics, textiles and natural substances
- For care and maintenance of plastic surfaces
- For lubricating rollers and slide rails

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.97
- Basic oil: synthetic oil
- Viscosity (25 °C), mm<sup>2</sup>/s: 350
- Pourpoint: < -50 °C
- Flash point, °C: > 200

### TUNGARD H1 – MULTIFUNCTIONAL OIL

**PRODUCT DESCRIPTION**

Physiologically harmless colourless synthetic oil with multi-functional additive combination for the food processing, beverages and pharmaceutical industries

Art. no.	Packaging unit/s
11A CI 14031a0400	400 ml

**PERFORMANCE**

- Reduces wear
- Long-lasting corrosion protection
- Good oxidation and ageing protection
- Good penetrating properties



**FIELD OF APPLICATION**

- Lubrication and care of connections, chains, seals and moving parts

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.84
- Basic oil: synthetic oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 150
- Pourpoint: -28 °C
- Flash point, °C: > 252

### TUNGARD OG – MULTIFUNCTION OIL WITH SOLID LUBRICANTS

**PRODUCT DESCRIPTION**

Partially synthetic lubricant with a multifunctional additive combination and white solid lubricants

Art. no.	Packaging unit/s
11A CH 20302a0300	300 ml

**PERFORMANCE**

- Clean in application
- High penetration properties
- Displaces water
- Dry running properties due to solid lubricants

**FIELD OF APPLICATION**

- For lubricating joints, hinges, rods, levers, chains and guides
- Wherever no hydrodynamic lubrication film can be generated

**TECHNICAL DATA**

- Colour: yellowish white, opaque
- Density, g/ml: 0.81
- Basic oil: mineral oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 26
- Flash point, °C: > 200

### TUNGARD CLEAN – VOLATILE CLEANING AGENT

**PRODUCT DESCRIPTION**

Cleaning agent on a hydrocarbon base

Art. no.	Packaging unit/s
11A CH 20304a0500	500 ml
11A CH 20304l2000	200 L

**PERFORMANCE**

- Outstanding scouring action
- Average evaporation number
- Cleans without residue
- Protects against immediate rusting
- Contains no halogenated hydrocarbons

**FIELD OF APPLICATION**

- Cleaning agent for care, repair and assembly use where grease and resin deposits are extreme
- For degreasing and activation of parts before adhesion or painting

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.76
- Flash point, °C: > 27



*“Cleaning with the highest possible level of safety for persons and the environment.”*

**TUN SOLVE 915 - VOLATILE CLEANING AGENT**      **TUNCLEAN FDB - VOLATILE CLEANING AGENT**

**PRODUCT DESCRIPTION**  
Innovative safe cleaning agent

Art. no.	Packaging unit/s
11A FX 91500500A	500 ml
1103118	20 L
1103762	60 L
11A CM 91500L2000	200 L

**PERFORMANCE**

- Lowest Technical Rules for Hazardous Substances (TRGS) 600 (substitution) risk level
- No flame blowback
- Propellant is non combustible

**FIELD OF APPLICATION**

- For maintenance, repair and assembly work
- Removes dust, encrustation, oil, grease, resin, silicone and corrosion protection coats
- Burning behaviour, ingredients and flame inhibiting propellant approved by TUV South

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.78
- Lower explosion limit, vol. %: 1.5
- Flash point °C: -8

**PRODUCT DESCRIPTION**  
Physiologically harmless cleaning agent for the food processing, beverages and pharmaceutical industries on a basis of hydrocarbons

Art. no.	Packaging unit/s
11A CH 21794a0500	500 ml

**PERFORMANCE**

- Cleans without residue
- Removes oil, encrusted resin and grease residue

**FIELD OF APPLICATION**

- Cleaning and temporary lubrication in physiologically and ecologically sensitive areas

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.77
- Flash point, °C: 40

**TUNCLEAN 895 - VOLATILE CLEANING AGENT**

**PRODUCT DESCRIPTION**  
Cleaning agent that contains acetone and is solvent based

Art. no.	Packaging unit/s
11A CH 21364a0500	500 ml
11A CH 21364l0050	5 L
11A CH 21364l0200	20 L
11A CH 21364l2000	200 L

**PERFORMANCE**

- Cleans without residue
- Protects against immediate rusting
- Rapid evaporation
- Very good scouring action
- Contains no halogenated hydrocarbons

**FIELD OF APPLICATION**

- For maintenance, repair and assembly where extreme greasing and resin deposits prevail
- For degreasing and activation of parts before adhesion or painting
- Removes oil and hard resin encrustation, synthetic oil and silicone residue
- Ideal for cleaning without residue. Replaces cleaning agents and brake cleaning agents that contain TRI, PER or CHC.

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.75
- Flash point, °C: -18

**TUNCLEAN 700 - SPECIAL CLEANING AGENT**

**PRODUCT DESCRIPTION**  
Hydrocarbon mixture special cleaning agent

Art. no.	Packaging unit/s
11A CH 21700l0600	60 L
11A CH 21700l2000	200 L

**PERFORMANCE**

- Tolerates most metals, paintings and plastics
- Very good solvent of oils and greases with mineral, animal or vegetable content
- Very good spreadability
- Odourless, harmless to skin and free of perfume
- Good penetrating properties thanks to low surface tension

**FIELD OF APPLICATION**

- Special cleaning agent that meets the highest standards in metal degreasing / plastics cleaning.
- Attacks dirt by creepage / underfilm migration

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.76
- Flash point, °C: 61

**TUNCLEAN FG 215 - VOLATILE CLEANING AGENT**

**PRODUCT DESCRIPTION**  
Physiologically harmless cleaning fluid for the food processing industry

Art. no.	Packaging unit/s
1100197	500 ml
1100457	60 L
1101031	200 L

**PERFORMANCE**

- Very quick venting
- Cleans without residue
- Removes oil, encrusted resin and grease residue
- Very good tolerance of the usual plastics

**FIELD OF APPLICATION**

- Cleaning in physiologically and ecologically sensitive areas
- For maintenance, repair and assembly despite extreme grease residue

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.698
- Flash point, °C: -10
- Evaporation number: 3.4

**TUNCLEAN 5110 - INDUSTRIAL CLEANING AGENT**

**PRODUCT DESCRIPTION**  
Water soluble surfactant cleaning agent

Art. no.	Packaging unit/s
1101522	5 L

**PERFORMANCE**

- Loosens grease, oil, contamination and dirt deposits
- In most cases no mechanical treatment is needed
- Ensures rapid and effective cleaning
- Biodegradable

**FIELD OF APPLICATION**

- In all areas where heavy soiling occurs: Buildings, plant, processing buildings, floors and walls, vehicle interiors and exteriors, tools and processing devices

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 1.0
- Drop point, °C: none



*“TUNAP is Europe’s biggest manufacturer of technical aerosols.”*

**TUNPRO 40 – MULTIFUNCTION OIL**

**PRODUCT DESCRIPTION**

Partially synthetic oil with additives

Art. no.	Packaging unit/s
11A CH 20009a0400	400 ml
11A CH 20009I0200	20 L
11A CH 20009I2000	200 L

**PERFORMANCE**

- Good corrosion protection
- Grease-free care
- Protects against corrosion and ageing
- Does not react to most paints, plastics or non-ferrous metals
- Good impact resistance
- Complies with NATO and military specifications

**FIELD OF APPLICATION**

- Dismantling, corrosion protection, care, cleaning and lubrication of all contact surfaces

**TECHNICAL DATA**

- Colour: transparent brown
- Density, g/ml: 0.89
- Basic oil: partially synthetic
- Viscosity (40 °C), mm<sup>2</sup>/s: 50
- Flash point ; °C: 52

**TUNPRO TR – DRY LUBRICANT**

**PRODUCT DESCRIPTION**

Synthetic high performance and dry lubricant with high PTFE ratio

Art. no.	Packaging unit/s
11A CH 12400a0400	400 ml

**PERFORMANCE**

- Low friction coefficient
- Minimal wear
- Protects against corrosion
- Outstanding adhesive properties
- Does not drip or spin off
- Waterrepellant
- No dirt adhesion
- Grease-free seal of the entire surface
- For O- and x-ring chains



**FIELD OF APPLICATION**

- For lubricating all smooth surfaces, splines, universal joints, spindles, guides, conveyor chains and gear wheels, above all in dusty environments

**TECHNICAL DATA**

- Colour: opal
- Film: waxy

**TUNPRO BIO – RUST SOLVENT**

**PRODUCT DESCRIPTION**

Based rust remover synthetic oil

Art. no.	Packaging unit/s
11A CH 20366a0400	400 ml
11A CH 20266I0200	20 L
11A CH 20266I2000	200 L

**PERFORMANCE**

- Does not resinify or glue
- Biodegradable
- Disinfects
- Lubricates and cares
- High penetrating capacity
- Does not react with most plastics

**FIELD OF APPLICATION**

- Dismantling of corroded parts
- Loosening and undoing screws, bolts, levers, joints etc.

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.81
- Basic oil: synthetic oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 7
- Flash point, °C: 13

**TUNSOLID TE 812 – BONDED COATING**

**PRODUCT DESCRIPTION**

PTFE bonded coating

Art. no.	Packaging unit/s
11A CH 12284a0400	400 ml

**PERFORMANCE**

- Dries quickly
- Colour: light and transparent
- Tolerates rubber, plastics and metal
- Corrosion protection
- Reduces friction and wear.

**FIELD OF APPLICATION**

- For guides and contact surfaces subject to moderate loads requiring lubrication free of oil or grease
- Basic lubrication of guides and bedding guides together with appropriate lubricants preventing stick slip (Stick-Slip)

**TECHNICAL DATA**

- Colour: light, transparent
- Density, g/ml: 1.18
- Layer thickness, µm: 10-15

**TUNPRO S – RUST SOLVENT**

**PRODUCT DESCRIPTION**

Synthetic oil with OMC<sub>2</sub>

Art. no.	Packaging unit/s
11A CH 20002A0400	500 ml
11A CH 20002A0400	20 L
11A CH 20002L2000	200 L

**PERFORMANCE**

- Dissolves frictional corrosion and corrosion residue
- Protects against corrosion, resinifying, adhesion, damp
- Good plastic and paint tolerance

**FIELD OF APPLICATION**

- Dismantling and corrosion protection, lubrication of parts subject to low load such as plastic chains in the paper industry

**TECHNICAL DATA**

- Colour: transparent green
- Density, g/ml: 0.83
- Basic oil: synthetic oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 20
- Flash point, °C: 230

**TUNAP ZN – PROTECTIVE VARNISH**

**PRODUCT DESCRIPTION**

Polymer protective varnish with very pure zinc metal powder in combination with other metal pigments

Art. no.	Packaging unit/s
11A CH 21291a0400	400 ml

**PERFORMANCE**

- Extremely adhesive
- Protects against corrosion and water impact
- Overpaintable
- Can be baked

**FIELD OF APPLICATION**

- Remedying of hot-dip and electrolytically galvanized surfaces and other metal surfaces.

**TECHNICAL DATA**

- Colour: silver
- Density, g/ml: 1.15

**TUNPRO 903 – RUST SOLVENT**

**PRODUCT DESCRIPTION**

Synthetic rust solvent with good penetration

Art. no.	Packaging unit/s
1101545	400 ml

**PERFORMANCE**

- Very good creep effect
- Solvent containing no n-hexane
- Effectively displaces damp and wet
- Outstanding dismantling safety



**FIELD OF APPLICATION**

- Can be used under high temperatures and in physiologically and ecologically sensitive areas

**TECHNICAL DATA**

- Colour: yellow
- Density, g/ml: 0.77
- Basic oil: synthetic oil

**TUNSIL FB – SILICONE OIL**

**PRODUCT DESCRIPTION**

Physiologically harmless colourless synthetic oil on a silicone base

Art. no.	Packaging unit/s
11A CF 13214a0400	400 ml

**PERFORMANCE**

- Reduces wear
- Good ageing protection
- Good penetrating properties
- Colourless and does not stain
- Remedies squeaks and creaks
- Very good material tolerance



**FIELD OF APPLICATION**

- Lubricant for all types of machinery in the foodstuffs and plastics industries
- Protects and cares for contact surfaces. Separator in the plastics industry

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.97
- Basic oil: silicone oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 270
- Flash point, °C: > 330
- Pourpoint, °C: -50



*“Essential to smooth operation.”*

**TUNSLIP SF – RELEASE AGENT**

**PRODUCT DESCRIPTION**

Physiologically harmless paraffin oil with additives

Art. no.	Packaging unit/s
11A CK 21252a0400	400 ml

**PERFORMANCE**

- Good separation and wetting
- Protects against damp, resinifying and adhesion
- Does not react with most plastics
- Non greasy, clean/non-soiling
- Protects against plastic ageing
- Free of silicone

**FIELD OF APPLICATION**

- Separating and anti-static medium
- Care and lubrication of contact surfaces where silicone is undesirable

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.93
- Basic oil: paraffin oil
- Viscosity (40 °C), mm<sup>2</sup>/s: 16

**TUNPRO Z – GEAR WHEEL, CHAIN AND ROPE SPRAY**

**PRODUCT DESCRIPTION**

Grease on a mineral oil, natural asphalt and thickener with additives base and OMC<sub>2</sub>

Art. no.	Packaging unit/s
11A CH 20299a0500	500 ml

**PERFORMANCE**

- High load bearing capacity
- Protects against corrosion, friction corrosion, burning in, resinifying, carbon deposit, pitting, dirt and dust
- Extremely adhesive
- Resistant to water and corrosive media
- High pressure cleaner resistant

**FIELD OF APPLICATION**

- Lubrication of gear racks, cogs, chains and gear wheels

**TECHNICAL DATA**

- Colour: grey-black
- Density, g/ml: 0.87
- Basic oil: mineral oil
- Drop point, °C: 190
- Operating temperature: -20 up to +120 °C

**TUNAP STAINLESS STEEL CARE – EMULSION**

**PRODUCT DESCRIPTION**

Highly effective cleaning and care emulsion for metallic surfaces

Art. no.	Packaging unit/s
11A CI 14005I0010	1 L

**PERFORMANCE**

- Removes minor contamination, dust, traces of cleaning and greasy fingerprints
- Emulsion that both protects and cares
- Generates an uniformly shiny surface easy to handle
- Water resistant protective film prevents dirt formation
- Economical in consumption

**FIELD OF APPLICATION**

- For all metallic surfaces
- Particularly in the foodstuffs area such as in ship's kitchens, canteens and so forth e.g. on fume extractors, oven fronts etc.

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.79
- Flash point, °C: 58

**TUNPRO K – CORROSION PROTECTION**

**PRODUCT DESCRIPTION**

Synthetic wax with corrosion protection and wear reducing additives

Art. no.	Packaging unit/s
11A CH 20005a0500	500 ml
11A CH 20005I0200	20 L

**PERFORMANCE**

- Long-term corrosion protection
- Resistant to water and salt water
- UV resistant
- Good penetration

**FIELD OF APPLICATION**

- Lubrication of parts subject to humidity or open-air weathering
- Particularly suitable for marine/overseas transports

**TECHNICAL DATA**

- Colour: transparent light brown
- Density, g/ml: 0.88
- Melting point, °C: > 120

**TUNPRO WO – CLEANING AND PROTECTION FLUID**

**PRODUCT DESCRIPTION**

Low viscosity fluid on a fatty acid and corrosion protection agent base

Art. no.	Packaging unit/s
11A CH 20550a0400	400 ml

**PERFORMANCE**

- Dissolves frictional corrosion and corrosion residue
- Dewatering effect
- Good temporary corrosion protection
- Dissolves scale

**FIELD OF APPLICATION**

- Temporary corrosion protection of spray and pressure moulding tools
- Cleaning and conservation of cooling drill holes

**TECHNICAL DATA**

- Colour: brown
- Density, g/ml: 0.79
- Viscosity (40 °C), mm<sup>2</sup>/s: 2.1
- Pourpoint, °C: < -70

**HWL-FETT 350 – GREASE SPRAY**

**PRODUCT DESCRIPTION**

Partially synthetic complex soap grease with white lubricant solids

Art. no.	Packaging unit/s
11A CH 20350a0400	400 ml

**PERFORMANCE**

- Good creep effect
- Good bond
- Prevents frictional corrosion
- Good corrosion protection
- Splash and temperature resistant
- Reduces friction and wear
- Filled with non-polluting propellant gas

**FIELD OF APPLICATION**

- For maintenance work on any machinery or vehicle
- For lubricating bearings, levers, joints etc.
- Protects against corrosion and frictional corrosion
- For lubricating moving parts
- For seat rails

**TECHNICAL DATA**

- Colour: white
- Density, g/ml: 0.95
- Basic oil: partially synthetic oil
- Thickener: Lithium complex soap
- NLGI class: 1-2
- Drop point: > 200 °C
- Operating temperature: -30 °C to 150 °C

**TUNPRO WK – CORROSION PROTECTION**

**PRODUCT DESCRIPTION**

Pressure resistant transparent wax with special additives

Art. no.	Packaging unit/s
1102061	400 ml
1103954 (colourless)	400 ml

**PERFORMANCE**

- Good corrosion protection
- Water resistant
- Good penetration
- Very adhesion capable
- No tool degreasing
- Prevents premature loss of rust protection

**FIELD OF APPLICATION**

- Seals and lubricates places and parts difficult to access
- Ideal for shape and tool construction

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 0.74
- Drying time, min: about 1
- Pourpoint, °C: about +40



*Our Knowhow*



**TUNPRO KST – WELDING SEPARATING SPRAY FLAMMABLE**

**PRODUCT DESCRIPTION**

Special separating oil with high ash generation level combined with a small amount of very volatile solvent  
Propellant propane-butane

Art. no.	Packaging unit/s
11A CH 2073026A0500	500 ml

**PERFORMANCE**

- Special separating oil with a high level of ash generation
- Contains no aqueous ingredients
- Optimal separating oil distribution
- Suitable for nozzles and surfaces

**FIELD OF APPLICATION**

- In metal construction and welding
- Whirling spraying with minimal point alignment for spraying surfaces as well as protective gas welding device nozzles

**TECHNICAL DATA**

- Colour: colourless
- Odour: solvent-like

**TUNPRO WST – WELDING SEPARATION SPRAY NON COMBUSTIBLE**

**PRODUCT DESCRIPTION**

Non combustible special release agent for welding use

Art. no.	Packaging unit/s
1100304	400 ml

**PERFORMANCE**

- Non combustible special release oil
- Good corrosion protection
- Non combustible propellant gas - hence 100% effective ingredients
- Suitable for use with all standard coating procedures

**FIELD OF APPLICATION**

- In metal construction and welding
- Protects components against hot metal splashing
- Universal welding and device protection in MIG and MAG processes
- Prevents sensor faults
- Ideal for boiler and tank work

**TECHNICAL DATA**

- Colour: milky
- Odour: mild
- Density, g/ml: 0.99
- pH value: 7

**TUNPRO HFO – COOLANT SPRAY**

**PRODUCT DESCRIPTION**

Cooling spray for use in repair, assembly and troubleshooting Rapid cooling down to -40 °C. Evaporates quickly without residue

Art. no.	Packaging unit/s
1102270	400 ml

**PERFORMANCE**

- Low Global Warming Potential (GWP100 < 20)
- Makes immediate cooling to around -40°C feasible
- Not electrically conductive
- Non combustible per the German Ordinance on Hazardous Substances (GefStoffV)
- Very good material tolerance

**FIELD OF APPLICATION**

- Rapid time-saving cooling of cold start systems
- Prevents heat damage when soldering
- Makes it easy to fit ball bearings, bushing, shafts etc. in tight spaces
- Eases removing stubborn adhesions of e.g. chewing gum on stone, carpet, textiles and plastic

**TECHNICAL DATA**

- Colour: transparent, colourless
- Density, g/ml: 1.12
- Flash point, °C: cannot be determined
- Global Warming Potential (GWP): < 20

**TUNADD PS – DIESEL ADDITIVE**

**PRODUCT DESCRIPTION**

Multifunctional high performance additive for diesel engines

Art. no.	Packaging unit/s
11A CG 2281110050	5 L
11A CG 2281110200	20 L

**PERFORMANCE**

- Protection of unhardened valve seats
- Wear protection
- Corrosion protection
- Combustion improvement

**FIELD OF APPLICATION**

- Engines using low-sulphur diesel fuel
- In unleaded fuel for engines that actually require leaded fuel

**TECHNICAL DATA**

- Colour: light brown
- Density, g/ml: 0.95
- Viscosity (40 °C), mm<sup>2</sup>/s: 24
- Pourpoint, °C: -25
- Flash poin, °Ct: 71

Our engineers and natural scientists in the R&D and applied technology divisions can provide tribological solutions to meet client and partner stipulations. We have testing equipment at our Wolfratshausen head office enabling us to analyse the major characteristics of lubricants. This includes e.g. operating temperature range and wear protection and corrosion protection characteristics. By contrast with lubricating oils lubricating greases are also evaluated for aspects such as rheology, shear and damping.

We can hence quickly test and integrate the results in our R&D. For clients this means

- Great flexibility and short internal distances make rapid solutions feasible
- Many testing options to suit client needs
- Product and product development are tested, proven and the performance capabilities ensured

In sum this improves the prospects of successful cooperation.



**Selected test equipment**

- SRV test device to DIN 51834 requirements
- Four ball device per DIN 51350
- Lubricant test device per Brugger and DIN 51347
- Salt Spray Test DIN EN ISO 9227
- EMCOR test machine per DIN 51802
- Thermogravimetric analysis
- FE9 roller bearing testing machine per DIN 51819
- Determination of apparent dynamic viscosity per DIN 51810-1
- Roll stability tester per ASTM D 1831
- Determination of electric conductivity per DIN EN 27888

# TUNAP | PACKAGING UNIT OVERVIEW



PRODUCT TYPE	DESIGNATION	PACKAGING UNITS																							
		Tube/tin g		Aerosol tin ml				Cartridge g			Bucket kg			Grease tin kg		Bottle Ltr		Canister Ltr		Barrel kg					
		100	100	300	400	500	400	500	400	500	400	500	5	10	20	25	1	5	20	60	180	200			
PASTES	TUNPAS																								
		AL		400																					
		CU																							
		MS-MOS <sub>2</sub>		400																					
		WP	100																						
		CMF-33											5												
		H1															25								
		SG		100																					
		300													10										
		400																							
	250																								
	CP-/50 RANGE																								
	CP-/200 range																								
	H1/EP range																								
	DAB																								
	CK-2																								
	OMCZ-PLUS RANGE																								
	CF-33																								
	EP RANGE																								
	MO																								
	ST-3	100																							
	BS																								
	H1 RANGE																								
	S RANGE																								
	RANGE																								
	HT Range																								
	HTC																								
	HTFG																								
	LT220																								
	TAC 2000																								
	GN																								
	HTG																								
	LG RANGE																								
	DAB																								
	FL 460																								
	STF																								
	B 40																								
	HLP RANGE																								
	PAO RANGE																								
	RANGE																								
	TS46																								
	S 68																								
	MP																								
	SI																								
	OG																								
	FD																								
	H1																								
	CLEAN																								
	915																								
	895																								
	FG 215																								
	FDB																								
	700																								
	5110																								
	40																								
	BIO																								
	S																								
	903																								
	TR																								
	TE																								
	ZN																								
	FB																								
	SF																								
	Stainless steel care																								
	WO																								
	WIK																								
	Z																								
	K																								
	350																								
	KST																								
	WST																								
	HFO																								
	PS																								





PRODUCT TYPE	DESIGNATION	NSF-H1	HALAL	KOSHER	HIGH TEMPERATURE	LOW TEMPERATURE	HEAVY LOADS	SPECIALLY FOR LOW RPM	SPECIALLY FOR HIGH RPM	SPECIALLY FOR VIBRATIONS AND IMPACT	WATER RESISTANT	PARTICULARLY PLASTIC COMPATIBLE	STRONGLY ADHESIVE	RESISTANT TO CHEMICALS
PASTES	AL				•		•							
	CU				•		•							
	MS+MOS <sub>2</sub>				•		•							
	WP				•		•							
GREASES	CMF-33				•		•							
	H1	•	•	•	•		•				•	•		•
	SG	•	•	•	•		•				•	•		•
	300	•	•	•	•		•				•	•		•
	400				•		•				•	•		•
	250				•		•				•	•		•
	CP.../50 RANGE	•	•	•	•	•	•		•		•	•		•
	CP.../200 RANGE	•	•	•	•	•	•			•	•	•		•
	H1/EP-RANGE	•	•	•	•	•	•						•	•
	DAB	•	•	•	•								•	•
	CK-2							•					•	•
	OMC... PLUS RANGE				•			•					•	•
	CF-33							•			•		•	•
	EP RANGE							•			•		•	•
	IMO													•
ST-3		•	•	•							•		•	
BS														
GEAR OILS	H1 RANGE	•	•	•	•	•								
	S RANGE				•		•		•					
CHAIN OILS	RANGE						•		•					
	HT-RANGE				•		•		•					
	HTC				•		•		•					
	HTFG				•		•		•					
	LT220						•		•					
	TAC 2000						•		•					
	GN													
	HTG													
	LG RANGE				•									
	DAB				•									
SPECIAL OILS	FL 460				•									•
	STF													
	B 40													
COMPRESSOR AND VACUUM PUMP OILS	HLP RANGE						•		•					
	PAO RANGE				•									
HEAT TRANSFER MEDIA OIL	RANGE				•		•		•					
	TS46								•					
TUNHERM	S 68				•									

PRODUCT TYPE	DESIGNATION	NSF-H1	HALAL	KOSHER	WITHOUT N-HEXANE	HIGH TEMPERATURE	LOW TEMPERATURE	HEAVY LOADS	PARTICULARLY PLASTIC TOLERANT	STRONGLY ADHESIVE	RESISTANT TO CHEMICALS
SAFETY PRODUCTS	IMP				•	•					
	SI	•	•	•	•				•		
	OG				•			•		•	
	FD	•	•	•	•		•				
	H1	•	•	•	•		•				
	CLEAN	•	•	•	•						
CLEANING AGENT	915				•						
	895				•						
TUNCLEAN	FG 215	•	•	•							
	FDB	K1	•	•							
	700	K1	•	•							
	5110										
MAINTENANCE PRODUCTS	40										
	Bio										
	S					•					
	TR						•				
	ZN					•					
	VA										
	WO										
	WK				•			•		•	
	Z										
	K							•		•	
	HLW										
	KST										
	WST										
	HFO										
	903	•	•	•			•				•
FB	•	•	•								
SF											
TE 812				•							
PS						•				•	



PRODUCT TYPE	DESIGNATION	ASSEMBLY LUBRICATION	FIXTURES AND FITTINGS / VALVES	EJECTORS / SLIDERS	SEAL INSTALLATION	ELECTRICAL CONTACTS	JOINTS	GEAR BOX	PLAIN BEARINGS	ROLLER BEARINGS	LINEAR GUIDES AND DRIVES	PLASTIC LUBRICATION	HYDRAULICS	COMPRESSOR	HEAT TRANSFER MEDIA OIL	CHAINS	MULTIPURPOSE LUBRICATION	METALWORK
PASTES	AL	•																
	CU	•																
	MS+MOS <sub>2</sub>	•																
	WP	•																
	CMF-33	•																
GREASES	TUNGREASE SG																	
	300		•															
	400																	
	250																	
	CP.../50 RANGE																	
	CP.../200 RANGE																	
	H1/EP-RANGE																	
	DAB																	
	CK-2																	
	OMC <sub>2</sub> ... PLUS RANGE																	
	CF-33	•																
	EP RANGE																	
	MO	•																
	SF-3																	
	BS																	
H1 RANGE																		
S RANGE																		
RANGE																		
HT-RANGE																		
HTC																		
HTFG																		
LT220																		
TAC 2000																		
GIN																		
HTG																		
LG RANGE																		
DAB																		
FL 460																		
STF																		
B 40																		
HLP RANGE																		
PAO RANGE																		
RANGE																		
TS46																		
S 68																		
HEAT TRANSFER MEDIA OIL																		

PRODUCT TYPE	DESIGNATION	ASSEMBLY LUBRICATION	SEAL INSTALLATION	JOINTS	BONDED COATING/ SLIDING COATING	COOLANT SPRAY	CHAINS	CORROSION PROTECTION AND RUST SOLVENT	PLASTIC LUBRICATION	MULTIPURPOSE LUBRICATION	ROPE LUBRICATION	CLEANING AGENT	WELDING AND SEPARATION SPRAY	RELEASE AGENT	ADDITIVE
SAFETY PRODUCTS	MP														
	SI														
	OG	•													
	FD														
	H1														
CLEAN															
CLEANING AGENT	915														
	895														
	FG 215														
	FDB														
	700														
MAINTENANCE PRODUCTS	5110														
	40														
	Bio														
	S														
	TR														
	ZN														
	VA														
	WO														
	WK														
	Z														
	K														
	HLW														
	KST														
	WST														
	HFO														
903															
FB															
SF															
TE 812															
PS															

TUNAP | INDUSTRY

WE LOOK FORWARD TO HEARING FROM YOU.

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