



WWW.WSWPRODING.HU

INDUSTRIAL LUBRICANTS

PRODUCT CATALOGUE

THE INDUSTRIAL LUBRICANT SPECIALIST

**In-house-developed and manufactured lubricants
for transport, industrial and special lubrication applications.**

1990

founded

35+

years of experience

100%

Hungarian-owned

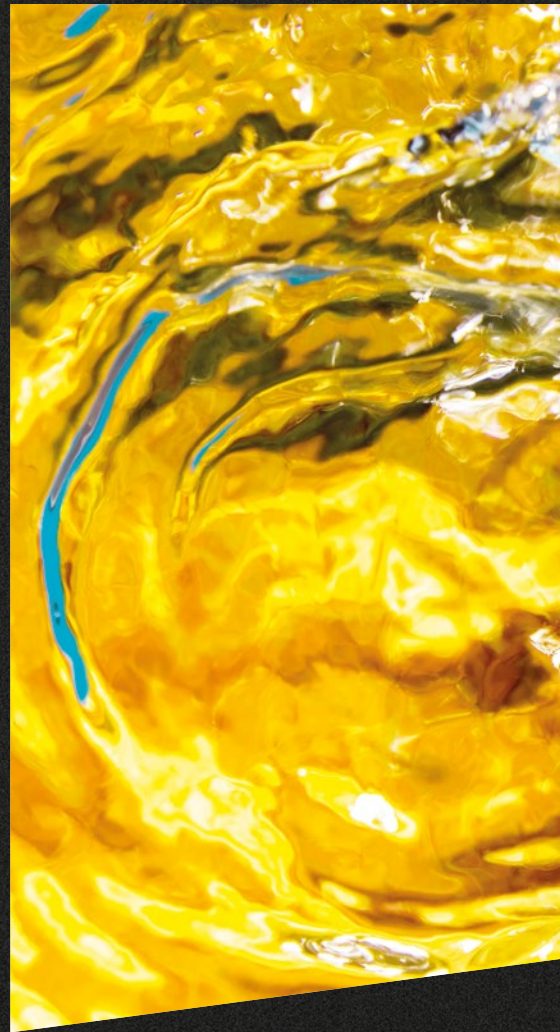
ENGINEERING EXPERTISE BUILT ON TRADITION

Rapid technical development require continuous evaluation in lubricant technology too. Hungary also has a long-standing tradition in the development and manufacture of lubricants, as well as in the distribution and application of products supplied by Hungarian and international oil companies.

In the past, numerous Hungarian industrial research institutes, universities and college research centres operated successfully in the fields of lubricant research, testing and evaluation, product development and application engineering.

As a result of economic and social changes, the specialists working at these institutions often continued their careers in private enterprises, applying their professional knowledge and experience.

As part of this process WSW Proding Ltd. was established in 1990 and is 100% Hungarian-owned. Thanks to the team's technical expertise and extensive experience in lubrication engineering, our company has become a recognised and key player in the market for industrial, transportation and special-purpose, custom-engineered lubricants.



**More than 35 years of experience,
our stable corporate background and the expertise of
our specialists confirms every lubrication solution we offer.**

**Continuous product development and the adoption of new technologies
ensure that we provide a reliable, professional answer to every technical requirement that arises.
We believe that working together with a commitment to quality and innovation also contributes
to our partners' long-term business success.**

CORE ACTIVITIES OF WSW PRODING LTD.

Manufacture of in-house, custom-developed lubricants

As part of our lubricant research and development activities, we develop and manufacture products tailored to specific lubrication requirements and to the demands of the particular lubrication demands.

Relaying on many years of experience, we develop the most suitable lubricant solution for every application. Using a product that meets the service requirements of the application helps keep operating costs low, as the lubricant performs its function optimally.

We develop the best possible solution for our partners whether is for a lubricating grease, a lubricant for the glass industry, a special engine oil, a steam cylinder oil, a candle-wick oil, or a special drilling, cutting or broaching oil, etc.

Custom private-label manufacturing (private-brand production)

We manufacture own-brand lubricants quickly and flexibly. Our reliable, tailored solutions support suppliers and distributors wishing to market lubricants under name of their own brands.

We can provide a wide variety from our lubricant portfolio, including manufacture of the required products and packaging of bulk finished products.



Lubricant distribution

WSW Proding Ltd. is official distributor of PETRONAS lubricants in Hungary and represents PETRONAS industrial lubricants; PETRONAS Syntium and PETRONAS Urania engine oils; PETRONAS Arbor agricultural oils; and PETRONAS Tutela transmission and gear oils. The company is the exclusive distributor in Hungary of the full range of Chempioil lubricants.

In addition, we offer products of recognised and reputable international lubricant manufacturers. Some of the lubricant brands we distribute include: ExxonMobil, Mobil, Shell, Castrol, ENI (Agip), EuroL, Mannol, Aral, Total, Q8, Elf, Selenia and Texaco.

To provide our partners with a high standard of service, we continuously expand our warehouse stock and operate a flexible logistics system. This enables us to deliver products in the quality requested by our customers, by the agreed deadline and to the specified location.

Our expert sales professionals receive continuous training and have extensive industry experience; they support our customers through personal contact. The products we distribute are suitable for an exceptionally broad range of applications across all user sectors. Our portfolio includes engine oils for passenger cars and commercial vehicles, gear and transmission oils, automatic transmission fluids (ATFs), industrial and agricultural oils, greases, chemicals, antifreeze fluids and brake fluids.

Lubricant testing

Periodic laboratory testing is intended to provide continuous monitoring of lubricant condition. Accurate analysis of key parameters enables a professional assessment of the quality of oil load and helps identify opportunities to maximise their service life. In our own laboratory, we can perform most of the necessary tests using modern instruments. Our highly qualified technical managers, with many years of professional experience, support our partners' lubricant use by evaluating the results and providing technical recommendations.

OUR WSW PRODUCT RANGE

We offer our proprietary lubricants, developed and manufactured in-house, for both transportation and industrial applications:

Transportation lubricants

For rail and road transport, inland waterway shipping, and agricultural and construction applications.

Industrial lubricants

For the heavy and light industries, food industry, processing industry, machinery manufacturing, energy industry, mining industries and raw materials industry.



We consider it important to highlight the lubricants used for tasks in environmentally sensitive areas. In developing and manufacturing these products, we ensure that they are readily biodegradable and do not harm the environment.

- 06 Lubricating greases
- 08 Textile machinery lubricant
- 09 Cleaning and degreasing fluids
- 10 Hydraulic and pneumatic system oils
- 11 Forestry and woodworking lubricants
- 13 Metalworking and forming lubricants
- 15 Special-purpose industrial oils
- 17 Biodegradable lubricants, primarily for rail transport
- 19 Metalworking fluids and system additives
- 21 Other special-purpose lubricants and lubricating sprays

ICON KEY



Motorcycles



Construction machinery



Passenger cars



Agricultural machinery



Trucks



Rail transport



Tractor units / heavy commercial vehicles



Water transport / shipping



Buses



Industrial applications



WSW LÍTIUM-X EP-2 BLUE

EP-fortified grease with high temperature and pressure resistance

WSW Lítium-X EP-2 Blue is a blue, NLGI 2 consistency grease formulated with a lithium complex thickener and anti-wear, extreme-pressure (EP), oxidation- and corrosion-inhibiting, and adhesion-enhancing additives to deliver outstanding performance.

VISCOSITY / NLGI	NLGI 2 at 40 °C: 210 mm ² /s
BASE OIL	Mineral-oil-derived base oil
THICKENER	Lithium complex
OPERATING TEMPERATURE	-30 to +140 °C (intermittently up to +180 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >260 °C Weld load: 2800 N
CLASSIFICATIONS	ISO 12924: L-XC(F)DIB2 DIN 51502: KP2N-30
COMPLIANCE	Volvo Standard 1277.2 NLGI service classification GC-LB
APPEARANCE	Blue, homogeneous



WSW LÍTIUM EP-2 PLUS

EP-fortified multipurpose grease

WSW Lítium EP-2 Plus is an NLGI 2 consistency grease formulated with a lithium thickener and anti-wear, extreme-pressure (EP), oxidation- and corrosion-inhibiting, and adhesion-enhancing additives to deliver the required performance.

VISCOSITY / NLGI	NLGI 2 at 40 °C: 110 mm ² /s
BASE OIL	Mineral oil
THICKENER	Lithium
OPERATING TEMPERATURE	-30 to +120 °C (intermittently up to +130 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >180 °C Weld load: 2600 N
CLASSIFICATIONS	ISO 12924: L-XC(F)CHB2 DIN 51502: KP2K-30
APPEARANCE	Brown, homogeneous



WSW LÍTIUM EP-2 BLUE

Blue, EP-fortified multipurpose grease for industrial and transport applications

WSW Lítium EP-2 Blue is a blue, NLGI 2 consistency grease formulated with a lithium thickener and anti-wear, extreme-pressure (EP), oxidation- and corrosion-inhibiting, and adhesion-enhancing additives to deliver the required performance.

VISCOSITY / NLGI	NLGI 2 at 40 °C: 110 mm ² /s
BASE OIL	Mineral oil
THICKENER	Lithium
OPERATING TEMPERATURE	-30 to +120 °C (intermittently up to +130 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >180 °C Weld load: 2600 N
CLASSIFICATIONS	ISO 12924: L-XC(F)CHB2 DIN 51502: KP2K-30
APPEARANCE	Blue, homogeneous
PACK SIZE	400 g cartridge





WSW LÍTIUM EP-00 G

Very soft grease with good pumpability at low temperatures for centralised lubrication systems

WSW Lítium EP-00 G is a high-performance, high-quality, NLGI 00 consistency grease formulated with a lithium thickener and mineral base oil, and containing corrosion and oxidation inhibitors, lubricity-enhancing additives, and EP and anti-wear additives. It is a very soft, smooth, green grease. The product is suitable for general lubrication in a variety of applications – including centralised lubrication systems – within the specified temperature range.

VISCOSITY / NLGI	NLGI 00 at 40 °C: 40 mm ² /s
BASE OIL	Mineral oil
THICKENER	Lithium
OPERATING TEMPERATURE	-50 to +120 °C (intermittently up to +130 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >160 °C Weld load: 2000 N
CLASSIFICATIONS	ISO 12924: L-XE(F)CCA00 DIN 51502: KP00K-50
COMPLIANCE	MAN 283 Li-P 00/000 MB 264.0 (DBL 6833)
APPEARANCE	Green, homogeneous
PACK SIZE	18 kg



WSW LÍTIUM EP-2 SM

Molybdenum disulphide (MoS₂)-fortified grease for heavily loaded lubrication points prone to scuffing

WSW Lítium EP-2 SM is a greyish-black, NLGI 2 consistency grease formulated with a lithium thickener and molybdenum disulphide (MoS₂), anti-wear, extreme-pressure (EP), oxidation- and corrosion-inhibiting, and adhesion-enhancing additives to deliver the required performance.

VISCOSITY / NLGI	NLGI 2 at 40 °C: 110 mm ² /s
THICKENER	Lithium
OPERATING TEMPERATURE	-30 to +120 °C (intermittently up to +130 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >180 °C Weld load: 3200 N
CLASSIFICATIONS	ISO 12924: L-XC(F)CHB2 DIN 51502: KPF2K-30
APPEARANCE	Greyish-black
PACK SIZES	400 g 5 kg



WSW MULTI ZSÍR CA EP-2

Water-resistant multipurpose grease for general industrial and transport lubrication applications

WSW MULTI ZSÍR CA EP-2 is a water-resistant, quality multipurpose grease manufactured from mineral oil and an anhydrous calcium thickener and containing anti-wear, lubricity-enhancing, EP, oxidation-inhibiting and corrosion-inhibiting additives. It is a moderately soft universal grease suitable for general lubrication in a variety of applications. It substantially reduces friction and wear between moving components. It provides excellent protection against corrosion and has exceptionally good adhesion. It retains excellent lubricating performance even in the presence of water, withstands shock loads well and resists hot-water washout.

VISCOSITY / NLGI	NLGI 2 at 40 °C: 110 mm ² /s
BASE OIL	Mineral oil
THICKENER	Anhydrous calcium
OPERATING TEMPERATURE	-30 to +120 °C (intermittently up to +130 °C)
KEY TECHNICAL PROPERTIES	Dropping point: >180 °C Weld load: 3000 N
CLASSIFICATIONS	ISO 12924: L-XC(F)CIB2 DIN 51502: KP2K-30
APPEARANCE	Brown, homogeneous
PACK SIZE	400 g cartridge





WSW TEXTILGÉP OLAJ CLEAN 46

**Washable, virtually colourless
lubricating oil for textile machinery**

WSW Textilgép Olaj Clean 46 lubricating oil was developed specifically for the lubrication of textile machinery. It is virtually colourless, helping ensure that the oil does not stain the textile. Any lubricating oil deposited on the textile can be washed out completely without leaving a stain or residual odour. It forms a lubricant film with high load-carrying capacity and protects moving machine components. It is primarily suitable for lubricating the moving mechanisms of knitting and sewing machines processing wool, cotton or synthetic fibres, as well as needles, lifters, slides, travellers, support plates, spinning rings, spindles, moving-head pressure rollers, bobbins and pins.

VISCOSITY	at 40 °C: 46 mm ² /s
BASE OIL	Highly refined base oils
APPLICATION	Lubrication of moving mechanisms in textile knitting and sewing machines
KEY TECHNICAL PROPERTIES	Pour point: -16 °C Flash point: 180 °C
APPEARANCE	Clear, transparent ASTM colour: <0.5
PACK SIZE	20 L



WSW TEXTILGÉP OLAJ 46

**Virtually colourless lubricating oil with high
load-carrying capacity for textile machinery**

WSW Textilgép Olaj 46 lubricating oil was developed specifically for the lubrication of textile machinery. It is virtually colourless, helping ensure that the oil does not stain the textile. It forms a lubricant film with high load-carrying capacity and protects moving machine components. It is primarily suitable for lubricating the moving mechanisms of knitting and sewing machines processing wool, cotton or synthetic fibres, as well as needles, lifters, slides, travellers, support plates, spinning rings, spindles, moving-head pressure rollers, bobbins and pins.

VISCOSITY	at 40 °C: 46 mm ² /s
BASE OIL	Highly refined base oils
APPLICATION	Lubrication of moving mechanisms in textile knitting and sewing machines
KEY TECHNICAL PROPERTIES	Pour point: -16 °C Flash point: 180 °C
APPEARANCE	Clear, transparent ASTM colour: <0.5





WSW UNITECH BC 3V

Water-washable, aromatic-free degreasing and parts-cleaning fluid

WSW UNITECH BC 3V is a degreasing and parts-cleaning fluid. It can be used effectively for a wide range of applications to clean metal surfaces and greasy or oily parts. As an aromatic-free solvent, it may also be used by spraying contaminated surfaces or components and then washing them effectively with water. It forms a stable emulsion with water and, after dissolving contaminants, transfers them into the emulsion. Its high solvency and detergency dissolve quickly and effectively not only general contamination but also greasy and oily deposits saturated with dust, and tar-like deposits.

VISCOSITY	at 25 °C: 1.3–1.5 mm ² /s
BASE	Aromatic-free solvent
APPLICATION	Cleaning metal surfaces and greasy or oily components, including water washing
KEY TECHNICAL PROPERTIES	Density at 15 °C: 0.78–0.80 g/cm ³ Flash point: >65 °C
PACK SIZES	1 L 20 L



WSW UNITECH BC

Aromatic-free degreasing and parts-washing fluid for cleaning metal surfaces

WSW UNITECH BC is a degreasing and parts-cleaning fluid formulated with an aromatic-free solvent and suitable for a wide range of parts-washing applications. It can be used for the manual and machine cleaning of new and used machine components, bearings and non-ferrous-metal contacts. Its high detergency quickly and effectively dissolves not only general contamination but also grease and oily or tarry deposits. It is intended primarily for removing metalworking lubricants in metalworking operations, degreasing metal surfaces before painting or surface treatment, and cleaning greasy or oily components.

VISCOSITY	at 25 °C: 1.2 mm ² /s
BASE	Aromatic-free solvent
APPLICATION	Parts washing and degreasing before painting or surface treatment
KEY TECHNICAL PROPERTIES	Density at 15 °C: 0.78–0.80 g/cm ³ Flash point: >70 °C
PACK SIZES	1 L 20 L





WSW HYDRO HLP-46 HIDRAULIKAOLAJ

General-purpose HLP hydraulic oil containing anti-wear additives

Every product in the WSW Hydro HLP hydraulic oil range is a general-purpose anti-wear hydraulic fluid formulated from high-quality, highly refined base oils. The oils have excellent water-separation, anti-foam and filterability properties. They provide a high level of resistance to ageing and are compatible with the sealing materials used in hydraulic systems.

VISCOSITY	ISO VG 46 at 40 °C: 44.8 mm ² /s at 100 °C: 6.6 mm ² /s
BASE OIL	Highly refined base oil
KEY TECHNICAL PROPERTIES	Viscosity index: 96 Pour point: -27 °C Flash point: 225 °C
CLASSIFICATIONS	ISO-L-HM ISO 11158 HM DIN 51524-2 HLP
APPEARANCE	Yellowish, clear liquid



WSW LEVEGŐRENDSZER OLAJ 32

Mineral-oil-based lubricant for pneumatic tools and industrial compressed-air systems

WSW Levegőrendszer olaj 32 is a compounded, mineral-oil-based lubricant for pneumatic tools. It is primarily a pneumatic oil for compressed-air tools and pneumatically controlled industrial systems. It is suitable for low-temperature tool operation, particularly for pneumatic impact and rotary tools used in mining and construction (air hammers, rock drills, hammer drills, etc.) and for other air-operated tools.

VISCOSITY	at 40 °C: 30 mm ² /s at 100 °C: 5.6 mm ² /s
BASE OIL	Mineral oil
KEY TECHNICAL PROPERTIES	Viscosity index: 96 Pour point: -35 °C Flash point: 215 °C
ENVIRONMENTAL PROPERTIES	Free from resins, acids and silicone
APPEARANCE	Amber-coloured, bright liquid





WSW UNITECH LÁNCFŰRÉSZOLAJ 100+

Adhesion-enhanced ISO VG 100 chain oil for professional chainsaws

WSW UNITECH láncfűrészolaj 100+ is a chain oil for chainsaws (an ISO VG 100). It is a modern chain lubricant containing anti-wear, oxidation-inhibiting and corrosion-inhibiting additives. It also contains an adhesion additive that resists fling-off and keeps the oil on the chain surface even at high chain speeds. It can be used in professional chainsaws equipped with manual or automatic oiling systems. Compared with conventional chainsaw oils, the adhesion additive helps reduce lubricant consumption even at above-average ambient temperatures.

VISCOSITY	ISO VG 100
APPLICATION	Manual and automatic oiling systems
KEY TECHNICAL PROPERTIES	Fling-off-resistant and adhesion-enhancing additive package Anti-wear, oxidation- and corrosion-inhibiting performance



WSW UNITECH LÁNCFŰRÉSZOLAJ 150

Adhesion-enhanced ISO VG 150 chain oil for professional chainsaws

WSW UNITECH láncfűrészolaj 150 is an ISO VG 150 bar and chain oil for chainsaws. It is a modern chain lubricant containing anti-wear, oxidation-inhibiting and corrosion-inhibiting additives. It also contains an adhesion additive that resists fling-off and keeps the oil on the chain surface even at high chain speeds. It can be used in professional chainsaws equipped with manual or automatic oiling systems. Compared with conventional chainsaw oils, the tackifier helps reduce lubricant consumption even at above-average ambient temperatures.

VISCOSITY	ISO VG 150 at 40 °C: 150 mm ² /s
BASE OIL	Mineral oil
APPLICATION	Manual and automatic oiling systems
KEY TECHNICAL PROPERTIES	Pour point: -28 °C Flash point: 262 °C Fling-off-resistant and adhesion-enhancing additive package
APPEARANCE	Dark amber-coloured, bright liquid



WSW UNITECH FAIPARI ASZTALKENŐ 4.0

Friction-reducing lubricating oil for woodworking machine tables and band-saw blades

WSW UNITECH Faipari asztalkenő 4.0 is a lubricant for woodworking equipments formulated from highly refined base oil and highly effective lubricity-enhancing additives, thereby significantly reducing friction. Its use effectively prevents irregular feed during machining, known as the stick-slip phenomenon. It can be used on all woodworking machines during sawing, milling, planing, sanding and similar operations, for lubricating the machine table and, on band saws, the saw blade.

VISCOSITY	at 40 °C: 4 mm ² /s
BASE OIL	Highly refined base oil
KEY TECHNICAL PROPERTIES	Pour point: -35 °C Flash point: >61 °C Silicone-free Forms a non-staining lubricating film
APPEARANCE	Colourless, clear liquid





WSW PHYTOWAX

Paraffin-wax-in-water dispersion for controlling the drying of freshly sawn timber

WSW PHYTOWAX is a paraffin-wax-in-water dispersion with high colloidal stability and a minimum solids content of 42%. WSW Phytowax can be used effectively to control the drying of freshly sawn timber. Coating the end grain of timber with a higher moisture content helps control excessively rapid drying of the ends under normal conditions, thereby reducing or preventing end checking. This results in a very substantial reduction in losses. It can also be used as a water-repellent additive in exterior paints, as a plasticiser in the ceramics industry, and as a pressing aid in the manufacture of grinding wheels.

BASE	Paraffin-wax-in-water dispersion
APPLICATION	Dilutable with water in any proportion
PH	pH 7–8 (at tenfold dilution)
KEY TECHNICAL PROPERTIES	Solids content: 42–43% Flow time: 10–20 s, DIN cup No. 4
ENVIRONMENTAL PROPERTIES	Biodegradability: 25–30 days
APPEARANCE	Milky white, translucent, odourless emulsion



WSW RÖNKHASÍTÓ OLAJ

ISO VG 22 HLP hydraulic oil for log splitters and hydraulic systems in woodworking applications

WSW RÖNKHASÍTÓ OLAJ is a general-purpose anti-wear hydraulic fluid formulated from high-quality, highly refined base oils. The product has excellent water-separation, antifoam and filterability properties. It provides a high level of resistance to ageing and is compatible with the sealing materials used in hydraulic systems. It ensures first-rate performance and operation over a wide temperature range. During cold starts at low temperatures, it provides appropriate protection for equipment components.

VISCOSITY	ISO VG 22 at 40 °C: 22.1 mm ² /s at 100 °C: 4.3 mm ² /s
BASE OIL	Highly refined base oil
KEY TECHNICAL PROPERTIES	Viscosity index: 100 Pour point: -35 °C Flash point: 195 °C
CLASSIFICATIONS	ISO 11158 HM DIN 51524-2 HLP
APPEARANCE	Yellowish, clear liquid





WSW FÚRÓ-VÁGÓ-FORGÁCSOLÓ KENŐANYAG

Multifunctional, oil-based minimum-quantity lubrication (MQL) metalworking fluid

WSW fúró-vágó-forgácsoló kenőanyag is a multifunctional, oil-based minimum-quantity lubrication (MQL) metalworking fluid. It is formulated from a special base oil, special components providing lubricity and cooling, and high-performance additives that enhance lubricity, reduce friction and wear, and inhibit seizure and corrosion. It provides outstanding efficiency, increased productivity and a low reject rate. It is suitable for machining carbon steels, heat-resistant steels, high-hardness stainless steels and hardened alloys by drilling, turning, threading, sawing, milling and broaching.

VISCOSITY at 20 °C: 12 mm²/s | at 40 °C: 8 mm²/s

BASE OIL Special base oil

APPLICATION For use with minimum-quantity lubrication systems

KEY TECHNICAL PROPERTIES Pour point: -25 °C | Flash point: 110 °C
Weld load: >5000 N

PACK SIZES 500 ml | 1 L | 5 L | 20 L



WSW BIO VÁGÓOLAJ MHG-32

Environmentally friendly, chlorine-free, biodegradable vegetable-oil-based cutting oil

WSW BIO VÁGÓOLAJ MHG-32 is an environmentally friendly, chlorine-free special lubricant developed for cutting and machining metals of various grades. It is a biodegradable, vegetable-oil-based metalworking lubricant containing friction- and wear-reducing, corrosion- and ageing-inhibiting, and oil-mist-suppressing additives that provide the required performance. Effective friction- and wear-reducing additives provide excellent lubricity. It reduces tool wear, extends tool life and reduces specific tooling costs. It provides a durable lubricating film, prevents material pick-up and tearing, and enables an excellent surface finish to be achieved.

VISCOSITY at 40 °C: 32 mm²/s

BASE OIL Biodegradable vegetable oil

APPLICATION Roller coating, spraying, dipping or drip application

KEY TECHNICAL PROPERTIES Pour point: -10 °C | Flash point: >250 °C
Steel corrosion, Method A: passes

ENVIRONMENTAL PROPERTIES Free from chlorine, PCB/PCT compounds and heavy metals
Reduced oil-mist formation

APPEARANCE Yellowish-brown, clear liquid



WSW BWS-OL MHG VÁGÓOLAJ SOROZAT

The WSW BWS-OL MHG cutting oil range comprises lubricants developed for cutting and machining metals of various grades. In addition to highly refined mineral-oil-derived components, they contain biodegradable oils of vegetable origin and friction- and wear-reducing, corrosion- and ageing-inhibiting, and oil-mist-suppressing additives that provide the required performance. They have excellent lubricity. They reduce tool wear and specific tooling costs, thereby extending tool life. Good surface wetting provides a durable lubricating film. The products prevent material pick-up and tearing and provide an excellent surface finish.

VISCOSITY at 40 °C: MHG 15: 15 mm²/s
MHG 22: 22 mm²/s | MHG 32: 32 mm²/s

BASE OIL Refined mineral oil and biodegradable vegetable oil

APPLICATION Roller coating, spraying, dipping or drip application

KEY TECHNICAL PROPERTIES Pour point: -25 / -15 / -10 °C (MHG 15 / 22 / 32)
Flash point: >250 °C | Weld load: >4000 N

ENVIRONMENTAL PROPERTIES Free from chlorine, PCB/PCT compounds and heavy metals | Reduced oil-mist formation

APPEARANCE Yellowish-brown, clear liquid





WSW BWS-OL HK-250

**Environmentally compatible press oil
for metal-forming operations**

WSW BWS-OL HK-250 is a lubricant developed for forming metals of various grades. In addition to highly refined mineral-oil-derived components, it contains biodegradable oils of vegetable origin and friction- and wear-reducing, corrosion-inhibiting and ageing-inhibiting additives that provide the required performance. It can be applied to the workpiece surface by roller coating, spraying, dipping or drip application. It contains no chlorinated compounds, particularly PCB/PCT compounds, and no heavy metals.

VISCOSITY	at 40 °C: 250 mm ² /s
BASE OIL	Refined mineral oil and biodegradable vegetable oil
APPLICATION	Roller coating, spraying, dipping or drip application
KEY TECHNICAL PROPERTIES	Pour point: -10 °C Flash point: >250 °C Steel corrosion, Method A: passes
ENVIRONMENTAL PROPERTIES	Free from chlorine, PCB/PCT compounds and heavy metals
APPEARANCE	Brown, clear liquid



WSW UNITECH OSR SOROZAT

The WSW UNITECH OSR range consists primarily of vanishing stamping and deep-drawing lubricants for the high-volume, high-speed production of steel, acid-resistant stainless steel, aluminium and non-ferrous-metal components manufactured by cold forming or high-speed machining. Degreasing is generally not required after cold forming. The lubricants can be applied by spray, dipping, drip-feed or roller lubrication equipment. UNITECH OSR-4.5 is intended primarily for blanking aluminium and non-ferrous metals; WSW UNITECH OSR-7 and WSW UNITECH OSR 15 are recommended for blanking steel sheet, coated steel sheet and acid-resistant stainless-steel sheet, and for the machining and chipless forming of aluminium and non-ferrous-metal components.

VISCOSITY	at 40 °C: OSR-4.5: 2.0 ± 0.5 cSt OSR-7: 2.5 ± 0.5 cSt OSR-7M: 2.0 ± 0.5 cSt OSR-15: 3.0 ± 0.5 cSt
BASE	Highly refined, aromatic-free hydrocarbon fraction
APPLICATION	Spraying, dipping, drip-feed or roller lubrication equipment Minimum-quantity lubrication for machining
KEY TECHNICAL PROPERTIES	Flash point: OSR-4.5 / OSR-7 / OSR-15: >60 °C / OSR-7M: >41 °C
ENVIRONMENTAL PROPERTIES	Free from chlorine- and sulphur-containing additives
APPEARANCE	Light-yellow liquid with a mild odour





WSW PÁLINKAFŐZŐ OLAJ

This heat transfer oil is suitable for filling the jacket of a double-walled spirit distillation units. It does not form deposits, thereby enabling a long operating life. In closed systems, it can be used at oil temperatures up to 310 °C. It is a special heat transfer oil with excellent thermal and oxidation stability, developed for closed, indirectly heated, forced-circulation heat transfer systems. It provides efficient heat transfer. It provides long-term protection for steel and non-ferrous-metal components and for commonly used heat- and oil-resistant seals. It resists thermal degradation over the long term even at high operating temperatures, so sludge and deposit formation do not present a long-term problem. Avoid storage temperatures below -10 °C in winter.

VISCOSITY	at 40 °C: 30 cSt at 100 °C: 5.5 cSt
OPERATING TEMPERATURE	Max. 310 °C in closed systems
APPLICATION	Closed, indirectly heated, forced-circulation heat-transfer systems
KEY TECHNICAL PROPERTIES	Flash point: 215 °C Excellent thermal and oxidation stability Low deposit-forming tendency
CLASSIFICATIONS	DIN 51522 ISO 6743-12, Family Q
APPEARANCE	Yellowish, clear liquid with a mild odour
PACK SIZE	10 L



WSW VACUUM PUMP OIL 100

Low-volatility vacuum-pump oil for stable vacuum performance

WSW Vacuum Pump Oil 100 was developed primarily for use in rotary and rotary-vane vacuum pumps. It is suitable for achieving low pressures and for use in rotary vacuum pumps commonly employed in industry. It provides exceptionally effective protection against corrosion and wear of internal metal surfaces. The ultimate vacuum attainable by the pump typically decreases as the operating temperature rises. Owing to the special selection of the base oil, the evaporation of volatile components does not reduce the attainable vacuum, thereby ensuring stable performance.

VISCOSITY	ISO VG 100 at 40 °C: 100 cSt at 100 °C: 11.5 cSt
BASE OIL	Specially selected base oil
OPERATING TEMPERATURE	Ambient: >0 °C Maximum operating temperature: 100 °C
KEY TECHNICAL PROPERTIES	Flash point: >250 °C Low volatility Not suitable in the presence of corrosive gases or vapours
CLASSIFICATIONS	ISO-L-DVC DIN 51506 VCL
APPEARANCE	Yellowish, clear liquid with a mild odour
PACK SIZE	20 L



TRANSZFORMÁTOROLAJ EX

Inhibited insulating oil for the insulation, cooling and corrosion-protection requirements of electrical equipment

WSW Transzformátorolaj EX protects electrical equipment and performs its insulation and cooling functions. It is a non-corrosive, inhibited insulating oil containing oxidation inhibitors. It provides excellent heat transfer and problem-free operation even at low temperatures. Its outstanding oxidation stability also makes it suitable for: use as a special heat transfer oil; temporary corrosion protection of components and machinery.

VISCOSITY	at 40 °C: 11.2 mm ² /s
APPLICATION	Oil-filled electrical equipment and circuit breakers
KEY TECHNICAL PROPERTIES	Pour point: -20 °C Flash point: >250 °C Steel corrosion, Method A: passes Copper corrosion: 1A
ENVIRONMENTAL PROPERTIES	Free from chlorine, PCB/PCT compounds and heavy metals
COMPLIANCE	IEC 60296:2012, after treatment
APPEARANCE	Clear, low-viscosity liquid
PACK SIZE	10 L





WSW MHO-2200 EP

High-viscosity EP gear oil for industrial and rail transport equipment

WSW MHO-2200 EP is a gear oil for transport applications formulated from a high-viscosity refined mineral oil and special additives, primarily for use in high-performance industrial machinery and rail transport equipment. Its high lubricating-film stability and additive system substantially reduce wear and scuffing. The product meets the demanding lubricant requirements of high-performance machinery, particularly the gear units of railway traction equipment.

VISCOSITY	ISO VG 2200 at 40 °C: 2200 mm ² /s at 100 °C: 100 mm ² /s
BASE OIL	High-viscosity refined mineral oil
APPLICATION	Heavily loaded gear units, railway traction equipment, chains and wire ropes
KEY TECHNICAL PROPERTIES	Pour point: -5 °C Flash point: 250 °C Weld load: 4000 N FZG load stage: 12+
ENVIRONMENTAL PROPERTIES	Free from chlorine, PCBs and PCTs
PACK SIZE	180 kg



WSW H-GÖZHENGÉROLAJ H-305

High-viscosity mineral oil for lubricating steam cylinders and low-speed gear units

WSW H-305 Gözhengerolaj is a high-viscosity lubricant for steam cylinders. It is a high-viscosity refined mineral oil developed primarily for lubricating steam cylinders operating at high temperatures and pressures, where a low tendency to form coke is essential. Applications include the lubrication of steam engines and steam cylinders; industrial gear units for which high-viscosity, uncompounded oils are recommended; and low-speed enclosed gear units.

VISCOSITY	at 40 °C: 1200 mm ² /s at 100 °C: 60 mm ² /s
BASE OIL	Refined mineral oil
APPLICATION	Steam engines, steam cylinders and low-speed enclosed gear units
KEY TECHNICAL PROPERTIES	Flash point: >240 °C Boiling point: >316 °C Low coke-forming tendency
APPEARANCE	Yellowish-brown, viscous liquid
PACK SIZE	208 L





WSW BIO-SK 180-220

Rapidly biodegradable lubricating oil for total-loss lubrication applications

WSW BIO-SK 180-220 lubricating oil is recommended for applications requiring high levels of anti-wear and anti-scuffing performance, together with an enhanced requirement that any lubricant escaping from the lubrication point should not pollute the environment and should biodegrade rapidly. WSW BIO-SK 180-220 is typically recommended for the lubrication of mechanisms and friction surfaces operating with total-loss lubrication, particularly rail, wheel-flange and switch-plate lubrication, and for machinery used in construction, mining, agriculture and inland waterway transport. It is manufactured using components and additives that contain no toxic constituents and that, by virtue of their composition, biodegrade rapidly.

VISCOSITY	ISO VG 180 at 40 °C: 180 mm ² /s
APPLICATION	Total-loss lubrication rail, wheel-flange and switch-plate lubrication
KEY TECHNICAL PROPERTIES	Pour point: -17 °C Flash point: 220 °C Weld load: 3500 N FZG load stage: 12+
ENVIRONMENTAL PROPERTIES	Biodegradability: >70% Free from chlorine, PCBs and PCTs
PACK SIZE	5 L



WSW BIO-SK 680

Rapidly biodegradable rail, wheel-flange and switch-plate lubricating oil recommended for summer use

WSW BIO-SK 680 lubricating oil is intended primarily for applications requiring high levels of anti-wear and anti-scuffing performance, together with an enhanced requirement that any lubricant escaping from the lubrication point should not pollute the environment and should biodegrade rapidly. It is typically recommended for summer lubrication of mechanisms and friction surfaces operating with total-loss lubrication, particularly rail, wheel-flange and switch-plate lubrication, and for machinery used in construction, mining, agriculture and inland waterway transport. It is manufactured from components that contain no toxic constituents and that, by virtue of their composition, biodegrade rapidly. It can be used in an automatic metering lubricator mounted directly on the rail or applied manually by conventional brushing.

VISCOSITY	ISO VG 680 at 40 °C: 680 mm ² /s
APPLICATION	Summer total-loss lubrication automatic metering or manual brush application
KEY TECHNICAL PROPERTIES	Pour point: -17 °C Flash point: 230 °C Weld load: 3500 N FZG load stage: 12+
ENVIRONMENTAL PROPERTIES	Biodegradability: >70% Free from chlorine, PCBs and PCTs
PACK SIZE	18 kg



WSW BIO SK 2016 CG

WSW BIO SK 2016 CG is a rail and wheel-flange grease manufactured from biodegradable raw materials and the latest generation of advanced, high-efficiency special additives. The solid components in the grease, including graphite and zinc powder, give the lubricant its special performance. Its use substantially reduces wear and scuffing, thereby extending the service life of wheel flanges and rail components exposed to increased wear, and prevents wheel slip on the rail. It can be applied by an installed lubrication system that primarily lubricates the flanges of the driven wheels, or by lubricating the track.

NLGI	1
OPERATING TEMPERATURE	-30 to +150 °C
APPLICATION	Installed lubrication system or track lubrication
KEY TECHNICAL PROPERTIES	Dropping point: >160 °C Penetration: 310–340 Weld load: 4000 N
ENVIRONMENTAL PROPERTIES	Biodegradability: >70%
APPEARANCE	Black, homogeneous Contains graphite and zinc powders
PACK SIZE	10 kg





WSW BIO-SK 2014

Readily biodegradable rail and wheel-flange grease with excellent adhesion

WSW BIO-SK 2014 is a rail and wheel-flange grease manufactured from readily biodegradable raw materials, a carefully selected base oil and special additives. Its use reduces wear and scuffing, thereby extending the service life of wheel flanges and rail components exposed to increased wear. Its operating temperature range is -30 °C to +150 °C. It has excellent adhesion to metal surfaces. It can be used in both automatically and manually operated lubrication systems. It can be pumped effectively even at low temperatures through centralised lubrication systems designed for fluid greases.

NLGI	0/1
OPERATING TEMPERATURE	-30 to +150 °C
APPLICATION	Automatic or manual centralised lubrication systems
KEY TECHNICAL PROPERTIES	Dropping point: >160 °C Penetration: 340–380 Weld load: 4000 N
ENVIRONMENTAL PROPERTIES	Biodegradability: >70%
APPEARANCE	Yellowish, homogeneous
PACK SIZE	8 kg



WSW BIO-SK 2012

Readily biodegradable rail and wheel-flange grease for centralised lubrication systems

This rail and wheel-flange grease is manufactured from readily biodegradable raw materials, carefully selected base oil and greases, and high-efficiency additives. Its use substantially reduces wear and scuffing, thereby extending the service life of wheel flanges and rail components exposed to increased wear. Its operating temperature range is -30 °C to +150 °C. It has good adhesion to metal surfaces. It can be used in both automatically and manually operated lubrication systems. It can be pumped effectively even at low temperatures through centralised lubrication systems designed for fluid greases.

NLGI	0/1
OPERATING TEMPERATURE	-30 to +150 °C
APPLICATION	Automatic or manual centralised lubrication systems
KEY TECHNICAL PROPERTIES	Dropping point: >160 °C Penetration: 340–370 Weld load: 4000 N
ENVIRONMENTAL PROPERTIES	Biodegradability: >70%
APPEARANCE	Brown, homogeneous
PACK SIZE	8 kg



WSW BIO-SK VSZK 200

Biodegradable lubricant for rail and switch-plate lubrication

The product is recommended for lubricating mechanisms and friction surfaces operating with total-loss lubrication, particularly rails and switch plates. In addition to its high level of anti-wear and anti-scuffing performance, lubricant escaping from the lubrication point does not pollute the environment because it biodegrades rapidly. It can be used in an automatic metering lubricator mounted directly on the rail or applied manually by conventional brushing. WSW BIO-SK VSZK does not harm the environment and has excellent biodegradability. Its excellent anti-wear, anti-scuffing and corrosion-inhibiting performance substantially extends component service life and reduces maintenance costs. It is particularly suitable for total-loss lubrication applications. It keeps lubrication points clean and prevents deposits. Its use enables economical lubrication. It is fully compatible with sealing materials.

APPLICATION	Automatic metering lubricator mounted on the rail or manual brush application
KEY TECHNICAL PROPERTIES	Excellent anti-wear, anti-scuffing and corrosion-inhibiting performance Fully compatible with sealing materials
ENVIRONMENTAL PROPERTIES	Rapidly biodegradable Does not harm the environment





FLUID SC SYSTEM CLEANER

Triazine-free, high-performance system cleaner with a disinfecting action

WSW FLUID SC SYSTEM CLEANER is a system-cleaning additive concentrate. It is a triazine-free, high-performance system cleaner with a disinfecting action. This highly effective, biocide-containing system cleaner was developed for cleaning and disinfecting equipment operating with water-diluted metalworking emulsions. It removes oily contamination very effectively, keeps the working area of the equipment clean and prevents swarf from adhering. The product effectively inhibits the growth of bacteria and fungi.

APPLICATION	Moderately contaminated system: 1–2% Heavily contaminated system: 2–2.5%
PH	in a 5% solution: 9.1
REFRACTOMETER FACTOR	1.0
KEY TECHNICAL PROPERTIES	Density: 0.95 g/cm ³ IP 287 corrosion inhibition: 4.0% v/v
ENVIRONMENTAL PROPERTIES	Triazine-free Free from nonylphenol ethoxylates
APPEARANCE	Yellowish liquid Aqueous emulsion: white microemulsion
PACK SIZE	5 L



WSW FLUID SYSTEMGUARD PLUS

High-performance bactericidal and fungicidal additive concentrate

WSW FLUID SYSTEMGUARD PLUS is a high-performance bactericidal and fungicidal additive concentrate. The bactericidal additive package is intended primarily for restoring the condition of emulsions prepared from water-miscible metalworking fluids. It provides multifunctional benefits when used in water-mixed emulsions. The product not only raises pH and counteracts alkaline-reserve depletion during use, but also provides a high level of protection against ferrous-metal corrosion, particularly in high-humidity and hard-water environments.

APPLICATION	For emulsions: 0.1–2% v/v
PH	in a 5% solution: 10.0
KEY TECHNICAL PROPERTIES	Density: 1.25 g/cm ³ IP 287 corrosion inhibition: 0.5% v/v
ENVIRONMENTAL PROPERTIES	Secondary-amine-free Free from nonylphenol ethoxylates
APPEARANCE	Yellowish liquid Aqueous emulsion: white microemulsion
PACK SIZE	5 L



WSW FLUID ANTIFOAM 2000

High-performance defoaming additive

This high-performance defoaming additive is readily miscible with metalworking emulsions and was developed primarily for tank-side treatment. It is silicone-free, which is advantageous because it avoids problems in subsequent operations. It provides maximum defoaming performance even at low concentrations. It substantially reduces the tendency to foam and has no effect on the machining process. It provides rapid and long-lasting defoaming and deaerating action. It has no adverse effect on cleaning, painting, electroplating or emulsion delivery, and does not cause filter blockage. It has a low tendency to form deposits, does not crystallise and does not deposit on surfaces. It is equally suitable for mineral-oil-containing and synthetic emulsions and solutions.

APPLICATION	For emulsions: 0.005–0.01 wt%
KEY TECHNICAL PROPERTIES	Density at 20 °C: 1.05 kg/L Rapid and long-lasting defoaming action
ENVIRONMENTAL PROPERTIES	Free from nitrites, phenols, chlorinated compounds, silicone oil and PTBBA
APPEARANCE	Off-white, opalescent liquid
PACK SIZE	5 L





WSW FLUID B37 PLUS

WSW FLUID B37 PLUS is a milky, oil-rich metalworking fluid delivering uncompromising, excellent cutting performance. It was developed using the latest chlorine-free technology. It provides significant performance benefits without the use of chlorine-containing additives in its manufacture. Its composition gives it a low foaming tendency and enables it to form a stable emulsion even in hard-water environments. It is suitable for machining a wide range of difficult-to-machine materials and is an excellent choice for aerospace manufacturing processes. It provides an excellent surface finish on all grades of aluminium and aluminium alloys, as well as steels.

APPLICATION	Turning, drilling and milling: 4–6% Threading: 5–7% Grinding: 3–4%
PH	in a 5% solution: 9.3
REFRACTOMETER FACTOR	1.05
KEY TECHNICAL PROPERTIES	Density: 0.951 g/cm ³ IP 287 corrosion break point: 2.0% v/v
ENVIRONMENTAL PROPERTIES	Free from chlorine, secondary amines and nonylphenol ethoxylates
COMPLIANCE	Rolls-Royce RPS917/RRP59000 BAC 5008 ASTM F 483 ASTM F 1110
PACK SIZE	25 L



WSW FLUID B36 ULF

WSW FLUID B36 ULF is a low-foaming, high-performance, emulsifiable metalworking-fluid concentrate that forms a milky microemulsion and can be used for machining most types of metal. It has outstanding biological stability and provides excellent performance across a broad range of workpiece materials. It is particularly suitable for machining aluminium, including aerospace-grade aluminium alloys, and other difficult-to-machine materials. It can be used in the coolant systems of modern high-pressure machine tools. Its outstanding tramp-oil separation and exceptional resistance to fungal and bacterial contamination make it suitable for use in both centralised coolant systems and individual machines.

APPLICATION	Threading: 6–10% Milling and turning: 5–7% Reaming: 8–10% Sawing: 5–8% Drilling: 7–10% Grinding: 4–6%
PH	in a 5% solution: 9.2
REFRACTOMETER FACTOR	1.1
KEY TECHNICAL PROPERTIES	Density: 0.985 g/cm ³ Foam collapse time: 5 s IP 287 corrosion inhibition: 2.0% v/v
ENVIRONMENTAL PROPERTIES	Free from chlorine, secondary amines and nonylphenol ethoxylates
PACK SIZE	25 L



WSW FLUID C21

WSW FLUID C21 is a synthetic grinding fluid with excellent cooling and flushing properties for grinding and abrasive finishing operations. Owing to its excellent flushing performance, the grinding wheels used for machining remain clean for longer and the work area is more likely to remain free of debris generated during machining. It provides excellent rust protection for both the workpiece and the equipment while substantially reducing the formation of tacky residues. It has excellent biostability and resistance to fungal and bacterial contamination.

APPLICATION	Cylindrical and surface grinding: 2–3% Centreless and creep-feed grinding: 3–5%
PH	in a 5% solution: 9.2
REFRACTOMETER FACTOR	2.2
KEY TECHNICAL PROPERTIES	Density: 1.11 g/cm ³ IP 287 corrosion inhibition: 2.0% v/v
ENVIRONMENTAL PROPERTIES	Low environmental hazard Operator-friendly
PACK SIZE	25 L





WSW 46 GÉPOLAJ

WSW 46 GÉPOLAJ is a machine-tool oil designed for the operation of bearings and drives in industrial equipment. It is a lubricating oil containing oxidation and corrosion inhibitors. Applications include industrial equipment fitted with circulating lubrication systems; enclosed industrial gear units under low and medium loads; hydraulic systems under low and medium loads where anti-wear properties are not required; oil-lubricated plain and rolling bearings, including bearings in high-speed, close-clearance spindles; and reciprocating compressors handling air, neutral gases and hydrocarbon gases.

VISCOSITY at 40 °C: 46 mm²/s | at 100 °C: 6.7 mm²/s

BASE OIL Mineral oil

APPLICATION Circulating lubrication systems, industrial gear units, hydraulic systems, bearings and reciprocating compressors

KEY TECHNICAL PROPERTIES Viscosity index: 99
Flash point: 226 °C

CLASSIFICATIONS DIN 51517-2 (CL) | DIN 51506 VBL/VCL
ISO 11158 HL | DIN 51524-1 (HL)

APPEARANCE Yellowish, clear liquid

PACK SIZE 208 L



WSW GYERTYABÉLOLAJ 22

Special lubricating fluid for coating wicks used in wax-candle manufacture

WSW Gyertyabélolaj 22 is a special lubricating fluid formulated from highly refined base oils and additives. It is intended primarily for coating wicks during the manufacture of wax candles.

BASE OIL Highly refined base oils

APPLICATION Coating wicks during the manufacture of wax candles

PACK SIZE 208 L



UNITECH DRY SKI SLOPE FLUID

100% biodegradable lubricating fluid for plastic ski and bobsleigh tracks

This special lubricating fluid is intended for plastic ski and bobsleigh tracks. It provides excellent lubrication and is 100% biodegradable. As it is completely colourless and 100% washable, it leaves no stains on equipment or clothing with which it comes into contact. It does not harm the environment or the metal, plastic or textile materials with which it comes into contact. It can be applied by spraying it directly onto the track, by a pre-lubrication system—for example, using a felt pad positioned before the track—or by applying it to the sports equipment. It is most effectively removed by washing with hot water. If required, it can be diluted slightly by mixing it with 5–10% warm water.

APPLICATION Sprayed directly onto the track, applied using a pre-lubrication system or applied to the sports equipment
If required, dilutable with 5–10% warm water

KEY TECHNICAL PROPERTIES Excellent lubricating performance
Removable by washing with hot water

ENVIRONMENTAL PROPERTIES 100% biodegradable
Does not harm metal, plastic or textile materials

APPEARANCE Completely colourless | 100% washable



WSW KENŐSPRAY FG

High-adhesion universal aerosol lubricant for vertical lubrication points

WSW KENŐSPRAY FG is a universal lubricant with penetrating, corrosion-inhibiting, moisture-displacing, anti-squeal and anti-wear action. This aerosol lubricant was developed specifically for vertical lubrication points, as its composition prevents it from running off even smooth vertical surfaces. It can also be used at other lubrication points, such as flat surfaces, pins, hinges and small machinery, where the lubricant is required to remain firmly adhered to the surface. It offers exceptional lubrication and wear-protection properties and a wide range of applications. It is suitable for professional industrial and domestic use. It is a highly effective blend of oils, anti-wear additives and other special additives.

APPLICATION	Vertical and flat surfaces, pins, hinges, gears, chains, bearings and moving components
KEY TECHNICAL PROPERTIES	High adhesion Penetrating, corrosion-inhibiting, moisture-displacing, anti-squeal and anti-wear action
PACK SIZE	400 ml



WSW WS-40 UNIVERZÁLIS KENŐSPRAY

Multifunctional lubricating spray

This multifunctional lubricating spray has penetrating, corrosion-inhibiting, moisture-displacing, anti-squeal and anti-wear action. It offers exceptional lubrication and wear-protection properties and a wide range of applications. It can be used at lubrication points such as flat surfaces, pins, hinges and small machinery, where the lubricant is required to remain on the surface for an extended period. It also promotes reliable electrical contact in contacts, connectors and other components. It is suitable for professional industrial and domestic use. It is a highly effective blend of oils, anti-wear additives and other special additives.

APPLICATION	Flat surfaces, pins, hinges, small machinery, contacts, connectors and other components
KEY TECHNICAL PROPERTIES	Penetrating, corrosion-inhibiting, moisture-displacing, anti-squeal and anti-wear action Promotes reliable electrical contact
PACK SIZE	400 ml



WSW MOTOROLAJ MPX

Engine oil for high-performance naturally aspirated and turbocharged diesel engines

WSW MOTOROLAJ MPX is intended for high-performance naturally aspirated and turbocharged diesel engines. It is particularly suitable for severe-duty machinery where an extended oil-change interval is required. It is especially suitable for the operation of large, mixed fleets comprising trucks, tractors, vessels and other mobile machinery.

VISCOSITY	SAE 50 at 40 °C: 220 mm ² /s
APPLICATION	Naturally aspirated and turbocharged diesel engines trucks, tractors, vessels and other mobile machinery
KEY TECHNICAL PROPERTIES	Pour point: -18 °C Flash point: >270 °C
CLASSIFICATIONS	API SF/CF
APPEARANCE	Brown, clear liquid





WWW.WSWPRODING.HU



WSW PRODING KFT.

📍 H-8200 Veszprém, Budapest út 75.

☎ +36 27 504 055

📱 +36 70 333 3343

✉ info@wswproding.hu

🌐 www.wswproding.hu