
Metal Forming & RP Oils

*Customized Range of Metal
Cutting, Forming, Drawing
& RP Oils*





Comprehensive range of premium metal forming & RP oils for the demanding applications.

Metal cutting & forming applications are demanding whether it's cutting, grinding or deep drawing, the challenges faced by lubricants have only grown. The focus has always been on surface finish, tool life and aesthetics and with even more sophisticated manufacturing processes coming in the fray. Customers are expecting lubricant manufacturers to innovate at a faster pace.

The Smoothkut range of metalworking fluids is based on our depth understanding of the metalworking industry and processes. They have been developed after a lot of R&D and trials and are a product of extensive experience. The range encompasses hard and soft water based fluids that can be customized for various uses.

Our Smoothform & Smoothdraw range of forming & drawing fluids has been formulated to address the challenges faced by manufacturers. **Right from excellent forming performance to deep drawing complex parts, our products help customers get more productive.**

In order to extend the life of metal parts, it is crucial to protect them from rust and corrosion after cutting and forming and also during storage time. **Molygraph has developed rust preventives with excellent water resistance and anti-staining properties. The coating forms thin films, penetrates easily into small grooves and notches, and protects metal from corrosion and rust.**

Molygraph also developed the Neverust HD series for heavy-duty applications. Featuring superior water resistance, demulsibility, and stain resistance, the Neverust HD series offers superior performance.

Featured Products



Smoothkut® SS 5200

A high oil content semi-synthetic coolant for multi-metal applications.



Smoothkut SS 5200 is a semi-synthetic high oil metal working fluid for multi-metal, medium to heavy-duty machining. Formulated with high-performance corrosion inhibitor & biocides. High base oil content gives better lubricity, excellent tramp oil rejection and extended sump life and forms a stable emulsion with hard & soft water.

Key features:

- EP additives provide excellent cutting performance.
- Excellent tramp oil rejection and extended sump life.
- Stable emulsion in hard water.
- Excellent rust and Corrosion protection.
- No scum or sludge residue formation.
- HSE compliant and the product is free of heavy metals.



Smoothform® 2900 TD

Heavy duty chlorinated lubricating fluid for tube drawing and pilgering operations.



Smoothform 2900 TD is viscous, highly chlorinated forming, and drawing oil. It contains extreme pressure additives to enhance load-carrying capacity. Specially formulated to offer superior performance in severe tube drawing & pilgering operations.

Key features:

- Provide excellent lubricity and load- carrying capacity.
- Contains anti-oxidants, anti-corrosion, and special additive packages.
- Used in cold pilgering of carbon steel, alloy steel, and stainless steel tubes; Deep drawing and cold rolling of stainless tubes; Coining fine blanking and other forming applications.
- It also provides prolonged sump life.



Neverust® HD 504

Solvent based high performance corrosion preventive fluid with excellent penetration properties.










Neverust HD 504 is a solvent-based rust preventive oil. It forms thin films and easily penetrates into thin grooves and notches. It provides excellent protection against corrosion and rust during storage and transportation even in stacked conditions.

Key features:


- Excellent water-displacing and demulsification properties.
- Excellent antistaining properties.
- Used as a protecting lubricant for bearings, stored machinery, cutting tools, engine blocks, pistons, chains and wire ropes.
- Can be easily removed by alkaline cleaners or degreasing solvents.
- It is free from nitrites, barium, boron, chromates, or other heavy metals.

Smoothkut® Semi-Synthetic Range of Coolants



SEMI-SYNTHETIC

PRODUCTS	APPLICATIONS	WATER HARDNESS	MATERIAL
SMOOTHKUT SS 5200 PREMIUM General purpose premium grade coolant	Sawing, Turning, Drilling, Boring, Milling, Grinding	150-500	 
SMOOTHKUT SS 5200 Semi synthetic high coolant	Sawing, Turning, Drilling, Boring, Milling, Reaming, Tapping	150-500	
SMOOTHKUT SS ULTRA TOUGH 2010 Premium grade semi synthetic coolant	Sawing, Turning, Drilling, Boring, Milling, Grinding	150-500	 
SMOOTHKUT SS 1250 PREMIUM Semi synthetic coolant	Sawing, Turning, Drilling, Boring, Milling, Reaming, Tapping	500-500	
SMOOTHKUT SS 1105 Semi synthetic coolant	Sawing, Turning, Drilling, Boring, Milling, Grinding	150-500	 
SMOOTHKUT SS 4500 Emulsifiable semi synthetic coolant	Sawing, Turning, Drilling, Grinding	50-500	 

SOLUBLE

PRODUCTS	APPLICATIONS	WATER HARDNESS	MATERIAL
SMOOTHKUT SO 7100 / 7100 EP Multi Purpose Milky Soluble Cutting Oil	Machining, Threading, Deep Drilling Operation, Reaming, Grinding	150-500	

GRINDING FLUID

PRODUCTS	APPLICATIONS	WATER HARDNESS	MATERIAL
SMOOTHKUT FS 6100 High Performance Water Miscible Grinding Fluid	Cylindrical Grinding & Surface Grinding	150-500	 

Smoothform® Range of Forming & Drawing Oils

PRODUCTS	APPLICATIONS	VICOSITY @ 40°C
SMOOTHFORM 2900 TD	Premium grade chlorinated forming & drawing oil.	270-290
SMOOTHFORM AQUA FS 7000	Water based synthetic forming fluid.	85-105
SMOOTHFORM 2600	High performance fine blanking & stamping oil.	40-45
SMOOTHFORM 2860	Premium grade non-chlorinated cold forming oil.	40-50

Neverust® Range of Rust Preventives Oils

PRODUCT	FILM TYPE	HUMIDITY CABINET TEST	PROTECTION PERIOD (Month)
ECOLUBE	Thin and Oily	> 720 hours	8-10 (indoor), 6 (outdoor)
NEVERUST HD 504	Wet Film	> 720 hours	6-9 (indoor), 3 (outdoor)
NEVERUST HD 506	Wet Film	> 720 hours	6-9 (indoor), 3 (outdoor)
NEVERUST HD 508	Wet Film	> 720 hours	6-9 (indoor), 3 (outdoor)
NEVERUST 20	Oily non-drying	> 1000 hours	12 (indoor), 3-6 (outdoor)
NEVERUST 274 LV	Thin and Oily	> 500 hours	3-6 (indoor)
NEVERUST 530	Thin and Oily	> 720 hours	8-10 (indoor), 6 (outdoor)
NEVERUST 235	Hard Dry	> 720 hours	12-15 (indoor), 6 (outdoor)
NEVERUST 308	Wet Film	> 720 hours	3-4 (indoor)

Accelerating industrial performances across the world

Designed by empiric designs



Efficient lubrication solutions to drive industries forward

Molygraph is India's leading engineered lubricants company. For over 32 years we have mastered the art of making high quality speciality lubricants for various industries & applications. At the core of each of our products lies our strong emphasis on Research & Development and a deep understanding of the client's expectations, which helps us deliver optimal solutions.

The consultative selling approach lays emphasis on value creation for our clients & has led Molygraph to be a front runner in the speciality Lubricants market in India as well as developing a global footprint with a presence in over 25 countries around the world.

BUSINESS VERTICALS

- Animal Feed
- Automotive Components & Manufacturing
- Cement
- Food
- Forging
- Metal Cutting & Forming
- Mining
- MRO
- Oil & Gas
- Pharmaceutical
- Plastic Moulding
- Pulp & Paper
- Punching & Stamping
- Steel
- Sugar
- Textile
- Wind Power

PRODUCT LINE

- Aerosol Sprays
- Cleaners & Degreasers
- Dispersions
- Lubricating Greases & Pastes
- Lubricating Oils
- Metal Forming Fluids
- Rust Preventives
- Solid Lubricants
- Thread Dope Compounds

PRODUCT APPLICATIONS

- Bearings
- Chain & Wire Ropes
- Conveyor Chains
- Forging & Extrusion
- Gears
- Metal Cutting & Grinding
- Metal Punching & Stamping
- Nuts, Bolts & Threads
- Sheet Metal Drawing
- Valves

