

RUST-X USA

Technical Datasheet

Product: RUSTX Cutting Oil
Grade: Sharp 13000

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Product Description

Exports of automotive components is a very critical task which requires specialized Rust Preventive Packaging schemes in synergism with highly effective rust preventive oils.

Also a higher concentration of emulsifiers with cutting oil prevent demulsification, rejects tramp oils, provides better emulsification for high hardness water, and longer emulsion stability under the most degrading environmental conditions and usage.

Sharp 13000 is the most premium product as far as the comparative products and brands are concerned and offers unmatched tool life, lubrication, cooling rate, corrosion protection and ease of operation.

This can be used for the most critical operations for hard and soft metals.

Soluble Oils are used where rapid heat removal is the major requirement. Rust X water Soluble Oils are blended from mineral oils, emulsifiers, rust inhibitors, extreme pressure additives and other coupling agents. The products are mixed with water in normal starting proportions of 3% to 10% for most operations.

Product & Application Images



Suitable For

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Features

- Very good rust prevention on parts after machining
- High Level of Extreme Pressure Additives
Excellent Cooling Power
- Metal compatibility - Zn, Fe
- Extended sump life- 6months - 1 year
Exceptional Resistance to bacterial degradation
- Adapted for a wide range of machine feeds & speeds
- Fewer nicks & wear ability on tools
- Lower Operational temperature

Application Method

Add in water by the prepositions of 1:20 to 1:50 depending upon the operation and severity

Properties

Physical Properties	Test Method	Value
Colour	Visual	Amber Solution
Specific Gravity	ASTMD 1298	0.90-0.99
Color Emulsion @ 5 % conc. in Water		White
Forth at 400 ppm water		No Forth
Emulsion test hard Water		700 ppm pass (No oil no Cream)
Viscosity		<52 cSt
Cast Iron Corrosion Test		Pass (5% Solution)
Refractor meter reading @ 5% conc.		5
Odour		None
Concentration		3-5% depending upon severity of operation
pH @ 5% in 1000 ppm water		8.5-9.5

Coolant Management

Dilution: Do not add just water and then the cutting oil to the tank. Rather make a mixture separately in a barrel for the required concentration and mix thoroughly. Then add this mixture to the machine coolant tank. Use a hand refractor meter to constantly measure the concentration and record regularly on the machine.

Tramp Oils arise from positive loss lubricators, oily stock, hydraulics, etc. If allowed to build up in the system, tramp oils are the most frequent cause of performance loss. Their presence leads to bacterial degradation, de-emulsification, souring (pH drop) corrosion and poor finishes. On machines standing idle, anaerobic spoilage can be prevented by re-circulating the coolant a few hours twice weekly. Staff will be pleased to provide on-site technical advice and training on your specific coolant requirements.

Packaging

26 Liters Can & 210 Liters Barrel

Disposal

Wastes should be disposed off in accordance with local regulations.
Recommendation: Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
Packaging that may not be cleansed must be disposed off in the same manner as the product.

Safety Information

RUST-X Rust Preventive Oils do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the re-restricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

Declaration

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations

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