



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X Cutting oil

PRODUCT CODE – Sharp 3000

PRODUCT DESCRIPTION

The product is nitrite and phenol free formulation combined with good housekeeping practice confers exceptional resistance to bacterial and fungal degradation leading to extended sump life.

Sharp 3000 has been developed to supply the modern machine workshop with a single versatile product to cope with a wide range of machining operations.

Its excellent lubricity handles slow speed and high pressure operations, whilst its superior level of Extreme Pressure additives permits the use of high speed CNC machine cutting of tough alloys.

Sharp 3000 possesses first class inhibition to ferrous corrosion and aluminum stain formation. The product readily dilutes in all water qualities to form a fine, low odor, milky white emulsion, which resists the incorporation of

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.

All RUST-X rust preventive oils are Barium & Heavy Metal Free.

FEATURES

- High Level of Extreme
- Pressure Additives
- Excellent Cooling Power
- All metal compatibility - Al, Cu, Zn, Fe, Bronze, Mg etc.
- Extended sump life- 6months - 1year
- Exceptional Resistance to bacterial degradation
- Adapted for a wide range of machine feeds & speeds
- Fewer nicks & wear ability on tools
- Lower Operational temperatures

APPLICATIONS

- Ferrous metal machining and grinding.
- Not suited for Aluminum or other metals.



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TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value
Colour	Visual	Milky 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 multiplication factor		1(at 5% concentration will be shown as 5)
Odour		None
Concentration		3-5% depending upon severity of operation
pH @ 5% in 1000 ppm water		8.5-9.5

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.

APPLICATION PICTURES



USAGE

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

Other Products : Use RPA 4500 to increase prevention.

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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



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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 AND STORAGE

Store in a cool dry place and always keep oil sealed when not in use.

DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

HEAVY METALS DECLARATION

RUST-X Rust Preventive products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the 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.

SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

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



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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.

LIMITED WARRANTY

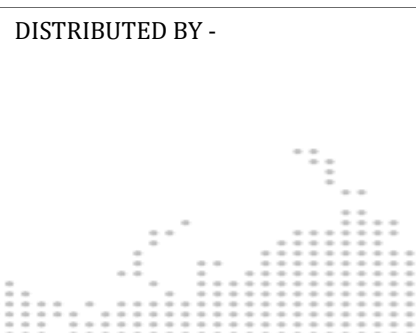
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Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing

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