

RUST-X USA

Technical Datasheet

Product: RUSTX BROACHING OIL
Grade: 16, 22, 32

TDS No. 400052
Publication Date: 1st April 2016

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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.

RUSTX-EX Export Grade oils have chemicals that give higher, faster and longer duration of protection to the metallic components from saline atmospheres during sea transportation as well as long term storage.

RUSTX oils contain VCI chemicals, which work in contact phase as well as in the vapor phase and protect components by its dual action.

BROACHX 16 is a blend of specially selected light bodied base oils and additives which helps it withstand extreme loads encountered in broaching operations. The oil is specially blended to ensure enhanced cooling to obtain smooth polished surfaces.

BROACHX 22 has been formulated after extensive trails at customer's plant. It higher viscosity & Flash point enhances its load carrying ability making it suitable for other machining operations as well.

BROACHX 32 has been formulated for heavy broaching and threading operation where lubrication requirement is extreme.

Product & Application Images



Suitable For

Medium viscosity oil suitable for heavy duty applications such as Threading, Broaching, Tapping etc. on ferrous metals.

Features

- High Level of Extreme Pressure Additives
- Excellent Cooling Power All metal compatibility - Al, Cu, Zn, Fe, Bronze, Mg etc.
- 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 temperatures

Application Method

Dipping by far is the best method for establishing an even layer on the component. Other methods may be used such as mist spraying, electrostatic spraying, brushing, automatic conveyor spray or dip process pray. It is important that the complete surface of the component is coated with the rust preventive oil. Use of gloves while handling the components as well as immediate packaging is important. In case the components carry cutting oils or water from previous processes, dewatering with CL005 is recommended.

Properties

Physical Properties	Test Method	BroachX 16	BroachX 22	BroachX 32
Colour	Visual	Semi Transparent	Semi Transparent	Semi Transparent
Density at 15 deg	D-1298	0.99	1.03	1.03
Flash Point	D-92	175	180	210
Viscosity @ 40 deg	D-445	17.5	22	32
Chlorine	Yes	Yes	Yes	Yes
Sulphur	Yes	Yes	Yes	Yes

Corrosion Prevention Properties		
Salt Spray Protection	ASTM B 117	<72 hours
Salth Spray in VCI Packaging	ASTM B 117	720 hours +
Condensation Test	DIN 50017 KFW	> 60 cycles
Humidity Chamber	ASTM D 1748	720 hours +
Indoor Protection Life (open)		6 months
Indoor protection life (packed)		2 years
Packaged Protection Life (In VCI Packaging)		Up to 5 Years

Packaging

26 Liters Can & 210 Liters Barrel	
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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.	
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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-stricted 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.	
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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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Revision No. 8 Revision Date: 1 st April 2016	
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