

RUST-X USA

Technical Datasheet

Product: RUST Remover Oil
Grade: Neutra Safe

TDS No. 400023

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Product Description

Neutra-Safe Rust Remover is a powerful oxidation remover designed for use on various steels, iron, cast iron and copper metals & aluminum. Neutra-Safe Rust Remover is a concentrated aqueous solution designed to remove rust and oxidation safely and economically.

Neutrasafe as the name implies is a Neutral & Safe Neutral pH rust remover. Neutrasafe works by selectively attacking the rust present on the surface of the metal and removing it into the solution of the rust remover. The product works in cavities, crevices and volutes and safely removes corrosion within seconds.

There is no reaction of the Neutrasafe chemical with the metal and hence no tarnishing or color change of the metal surface.

Generic rust removers are formulated with very strong acids having pH of 1.0 to 2.0 where as Neutrasafe has a pH of 5.5 which is the same pH as of human skin. It is safe to work with limited personal protection equipment. Neutrasafe has also got the advantage that the re-rusting is minimized due to the absence of strong acids.

There is also no change in the dimensions of the product when the rust is removed. The product can be used again and again and does not need to be replaced but only topped up in the tank. The product can be used on various steels, cast iron, copper & aluminum or any other metal upon trials.

Product & Application Images



Suitable For

- Multi-metal rust remover
- Removes rust or tarnishing from Copper, Brass, steel, aluminum

Features

- Quick action
- Easy to use
- Easy to store
- Safe product with neutral pH
- No fumes generated
- No effect on environment and can be easily disposed off
- User friendly
- Does not cause staining of the surface
- Does not affect paints
- Can affect plating so should be duly trialed

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	Value
Colour	Visual	Fluorescent Green
Viscosity @ cSt @ 40°C	ASTM D 445	1 cSt
Specific Gravity	ASTM D 1298	1
Flash Point (before application)	ASTM D 92	Non-Flammable
Volatiles by % (by weight)		None
Coverage (sq m/ Lt)		Up to 200
Pour Point	ASTM D 97	Below 0°C
<i>pH</i>		5-7

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 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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