

TECHNICAL DATA SHEET

RUST VETO™ 50

GENERAL PURPOSE RUST INHIBITOR FOR FERROUS METALS

RUST VETO™ 50 is a greenish liquid that mixes immediately with water at room temperature. It forms a transparent solution with a slightly greenish tint.

Applications

An excellent use for RUST VETO™ 50 is as a rust retardant in a caustic neutralizing bath following acid treatment. It is widely used as a corrosion inhibitor in water used for hydrostatic testing.

RUST VETO™ 50 should not be used on galvanized work, brass or aluminium.

Recommendation For Use

Small quantities of RUST VETO™ 50 add rust inhibiting properties to rinse tanks and water dilutions of soluble cutting oils. Even in high water dilutions, this rust inhibitor effectively retards rust. It leaves a transparent film.

Dilute with water in proportions from 1:100 to 1:200. Dilutions of 1 to 150 are generally the most effective. Use similar dilutions in water soluble metalworking coolants.

A manufacturer of pipe fittings and malleable iron castings had a rust problem with machined parts in storage bins. They added RUST VETO™ 50 to their soluble cutting oil -0.5% in winter and 1% in summer. This effectively reduced rusting. He changed RUST VETO™ 50 to at 1:100. The cost is 40% lower and protection improved.

A tube mill performs a hydrostatic test on butt welded pipe. After the test, tubes may be stored up to a month before lacquering. Rust was a problem. Soluble oil at 1 to 60 did not give enough protection and made it difficult to stencil the surface; the product was difficult to remove and tended to separate. Now, with RUST VETO™ 50, rust is eliminated, there is no objectionable oily film, mixing is easy and the solution is stable.

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use

and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Benefits

- Adds to rust protective properties of soluble cutting oils and other soluble machining fluids.
- Reduces fire hazards - contains no mineral oil.
- Inhibits rust when added to rinse tanks.
- Effective transparent solution won't stain work; easy to dilute, apply and remove.
- Economical. Dilutes with water; reduces rejects.
- Minimizes pollution.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance (neat)	Fluorescent green liquid	Visual
Specific Gravity	1.2	[ASTM D4052]
Appearance (diluted)	Transparent greenish liquid	2%v/v
pH @2%	9.7	[ASTM E 70]
Refractive Index	2.14	
Rust Test	Pass	[ASTM D 665-A]

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