



Multi-TERJ CR-2213

Synthetic Cleaner and Rust Inhibitor Fluid

Description

Multi-TERJ CR-2213 is a liquid, water-soluble, synthetic, cleaner/rust inhibitor designed for use on ferrous and nonferrous metals. Multi-TERJ CR-2213 has low-foaming characteristics that make it ideal for spray washer applications. As a cleaner, Multi-TERJ CR-2213 effectively removes light to medium soils such as cutting fluids, pressworking fluids, and light-to-medium oils. When used as a rust inhibitor, Multi-TERJ CR-2213 will provide short-term (typically 30 days) indoor protection when used at recommended mix ratios. Multi-TERJ CR-2213 is DEA-free and is stable in hard water.

Key Properties

- Formulated to clean a variety of light to medium soils such as water-soluble metalworking fluids and shop soils
- Provides approximately 30 days of indoor rust protection when used as a rust inhibitor
- Multi-metal safe
- Low-foaming
- DEA-free
- Oil-free formula containing no nitrites
- Hard water-stable

DuBois • 800 438 2647 • 3630 East Kemper Road • Sharonville, OH 45241-2011

In Canada • 866 861 3603 • 3450 Ridgeway Drive, Unit 2 • Mississauga, ON L5L 0A2

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4/29/2010



Multi-TERJ CR-2213

Technical Data

Appearance	Clear liquid
Color	Yellow
Odor	Slight, amine-like
Density	8.54 lb/gal
Specific gravity	1.023
pH (neat)	10.2
Elemental phosphorus	0%

Use Instructions

Multi-TERJ CR-2213 should be used at 3% to 10% depending on the severity of soils involved and the rust protection required.

Temperature:

100°F to 140°F spray washer
Ambient to 140°F immersion

Concentration:

Light soil loads: 3 – 5%
Heavy soil loads: 5 – 10%

Mechanical agitation in the tank will increase the effectiveness and speed of the immersion operation.

Dispensing

Multi-TERJ CR-2213 can easily be automatically dispensed. For equipment recommendations, consult your local DuBois representative.

Test Method

1. Use alkaline titration kit #3504212.
2. Measure 20 mL of solution using 50-mL vial.
3. Add 3 to 5 drops bromo phenol blue indicator into solution and mix.
4. Titrate by adding 2N sulfuric acid, dropwise, mixing after each addition. Count the drops required to change the color from blue to yellow.
 - a. 3% - 14 drops
 - b. 5% - 24 drops
 - c. 7% - 33 drops

Product Compatibility

Multi-TERJ CR-2213 is safe on ferrous and nonferrous metals.

Safe Handling and Storage Instructions

Store at normal room temperature. If accidentally, frozen, thaw, remix and use as is.

Precautions

KEEP OUT OF THE REACH OF CHILDREN.

Please refer to the label and Material Safety Data Sheet (MSDS) for all warnings, recommendations for safety equipment, and other regulatory information. Copies of labels and MSDS information can be ordered by calling 800-438-2647.

Disposal

Please refer to the MSDS for instructions regarding proper disposal of this product.

Multi-TERJ CR-2213, like all industrial solutions, may require some treatment before discharge. In addition to waste treatment chemicals, DuBois offers full service disposal and compliance consultation. Information is available from your DuBois Representative.

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