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SPECIALTY CHEMISTRY | WASTE MANAGEMENT | APPLICATION TECHNOLOGY | INNOVATIVE ENGINEERING

Product Application Presentation

Product Identifier: **TCI 260 H.D.**

Process Identifier: **Hydrous iron (III) oxide and iron (III) oxide-hydroxide remover (biodegradable) (ready to use as soak)**

Product Presentation

TCI 260 H.D. is a ready to use concentrated complex aqueous formulation of environmentally friendly non-fuming, mild odour, organic acid/salts with a water soluble degreaser, stable biodegradable wetting agents and corrosion inhibitors for clean-up of rust deposits on iron surfaces at ambient temperatures.

These rust deposits are identified as an iron oxide, usually reddish brown in colour formed by the reaction of iron and oxygen in the catalytic presence of water or atmospheric moisture. Rust only appears on the surface of unprotected steel as hydrous iron (III) oxide and iron (III) oxide-hydroxide.

The rust removal equivalence capability is an astonishing **3 times** higher and efficient compared to any other concentrated product on the market especially the popular product **EVAPORUST** and at a fraction of the cost.

EVAPORUST claims that it is inhibited against corrosion but actual lab tests show that this is a false claim.

TCI 260 H.D. is inhibited against metal substrate corrosion by 99.9%. This is a chemical reaction known as Hydrogen Embrittlement where the acid making contact with metals releases flammable hydrogen gas and compromises the integrity of the steel surface visible as spider cracking.

This product can be used outdoors and indoors without the staff being overcome by fumes from acids and the health concerns associated with it.

Equipment in the shop such as tools or parts with exposed ferrous metal surfaces will not rust while using **TCI 260 H.D.**

Municpal sewer discharge allows a pH of 5-9 and Iron concentrations of 7,000 ppm.

PACKAGING:

20 L, 205 L and BULK

Process Introduction

TCI 260 H.D. formula is delivered in HDPE plastic containers such as 20 L Carboys, 205 L Drums and 1,000 L Industrial Bulk Containers or Bulk Silo Refills.

BEFORE TCI 260 H.D. is dispensed from the shipping container into the immersion soak tank or most popular **ULTRASONIC** cleaning tank using the Manufacturer's or Supplier's recommended safety equipment also available from the manufacturer, the operator should comply with the employer's work attire and use disposable gloves as well as eye protection (PPE) as found in the SDS or Safety Data Sheet and follow the Product Application Presentation immediately found with your cell phone by scanning the QR on the label.

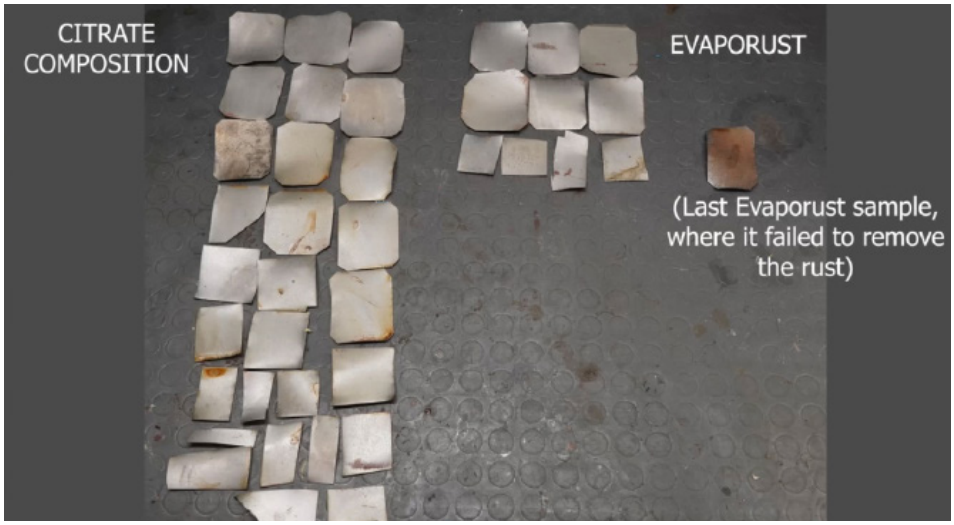
Application Procedure

THIS PROCEDURE IS FOR TRAINED PERSONNEL ONLY

Small/large parts cleaning method

Small parts cleaning should be immersed in the **TCI 260 H.D.** solution for 10 - 30 minutes or using the ULTRASONIC method for at least 10 - 20 minutes depending on the severity of the build up and quality required. Larger articles like ferrrous metal motorcycle gas tanks, truck fuel tanks, heavy equipment fuel tanks, hydraulic & transmission fluid tanks, heat transfer coolers should be filled, and allowed to react over time and upon visual inspection drained. Vintage car restoration projects are part by part or by full immersion of frames. This method is far superior than sand blasting.

THIS CLEANING PROCESS DOES NOT GENERATE A HAZARDOUS WASTE.



Phosphate FREE

Long Life - use as is

Waste removal NOT REGULATED

MADE IN CANADA

Phosphate based

60 X more expensive to use

Expensive waste removal

Imported from the USA

For industrial and institutional use only.

The information given herein is given in good faith but no warranty, expressed or implied is made.

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