



## Product Application Presentation

**Product Identifier:**

# TCI 1221 H.D.

**Process Identifier:** Hot aqueous immersion mill scale/iron oxide, rust, glue and paint stripper (ready-to-use)

### Product Presentation

**TCI 1221 H.D.** is a ready to use light amber, viscous liquid. It is a blend of alkali, corrosion inhibitors, food grade sequestering agents, biodegradable food grade detergents and solvents, special rust and scale corrosion removers, broad spectrum chelating agents, buffers and wetting agents.

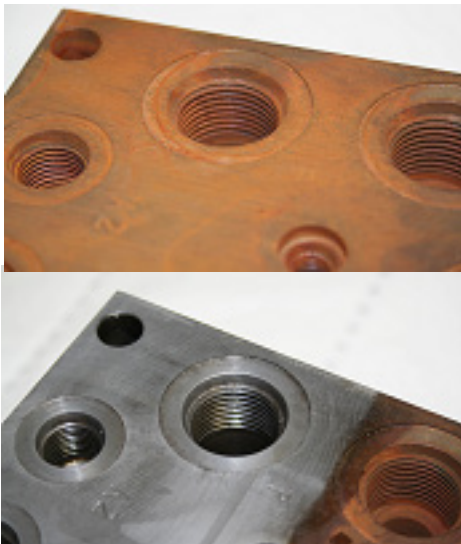
### Process Introduction

**TCI 1221 H.D.** is a ready to use formulation for temperatures of 60–80°C.

### Process Specificity

**TCI 1221 H.D.** is especially designed for the soil encountered in the motive rebuilding industry for the removal of carbonaceous deposits, paints and corrosion by-products from ferrous metal in a hot aqueous medium of an immersion tank without etching or flash rusting of the substrate ferrous metals. Do not use on aluminum metal.

**Packaging: 20, 205, 1000 litres**



### Solution Maintenance

The cleaning solution is maintained through simple addition of **TCI 1221 H.D.** with a pump mounted on the drum and placed near the immersion wash tank. Solution strength is monitored by simple addition replacing the dragout.

**TCI 1221 H.D.** is ready to use and parts are allowed to soak until all soil residue is off. There is no time limited for safety. To speed up the reaction or cleaning time, heat the same solution up to 80°C. Solution agitation is not required but is beneficial for parts with hidden internal passage ways. Rinse clean parts in a hot solution of TCI 200 H.D., a temporary rust preventative. The dried parts will not retain a white residual stain. To maintain the effectiveness of the cleaning solution, add small doses of concentrate after each cleaning job.

### Solution Disposal

The clean chemical solution is biodegradable, but according to the Ontario Ministry of the Environment and Climate Change "Regulation 347", and local municipal by-laws the cleaning process may have generated a hazardous or liquid industrial waste in which case it must be:

1. Manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a generator registration number and Ontario waste class 122C.
2. Removed by a licensed carrier and received by a licensed receiver under a service contract providing a garage license number.

Contact Tetra-Chem Industries Ltd. for complete and complementary analytical tests in compliance with the regulations prior to sewer discharge.

## Hot aqueous ultrasonic immersion cleaning tanks



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