



## Product Application Presentation

**Product Identifier:**

# TCI 200 H.D.

**Process Identifier:**

**Temporary rust preventative for hot aqueous immersion (concentrate)**

### Product Presentation

TCI 200 H.D. is a hot aqueous immersion and rust preventative corrosion inhibitor. When metals are treated with this solution a oxygen resistant coating is produced on the surface to prevent flash rusting. It does not contain nitrite chemistry.

### Process Introduction

Premix TCI 200 H.D. concentrate at a rate of 100 ml/L at a temperature of 50–60°C. Refractometer should read 2–3%.

**Packaging: 20, 205 litres**

Hot aqueous  
ultrasonic  
cleaning tank

### Process Specificity

TCI 200 H.D. is specially designed for metal protection after the soil removal encountered in the automotive rebuilding industry and the removal of carbonaceous deposits, paints and corrosion by-products from ferrous and white metal in a hot aqueous medium of an ultrasonic immersion tank.

TCI 200 H.D. is charged to a volume of water at ambient temperatures or higher at a rate of 100 ml/litre and parts allowed to soak until all external and internal surfaces are contacted. There is no time limited for safety. To speed up the reaction time, heat the same solution up to 60°C. Agitation is required for parts with hidden internal passage ways to remove air pockets. The dried parts will not retain a white residual stain. To maintain the effectiveness of the inhibitor solution, add small doses of concentrate after each day. Use the refractometer for regular solution strength monitoring.

### Solution Disposal

The clean chemical solution is bio-degradable, 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. Discharged through a treatment system e.g. a three stage interceptor.
2. Manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a Generator Registration Number.
3. 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  
immersion for  
temporary rust  
prevention

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