



## Product Application Presentation

**Product Identifier:**

# TCI 4961 H.D.

**Process Identifier:**

One step detergent iron phosphating solution for spray or immersion applications—molybdate free

### Product Presentation

TCI 4961 H.D. is a liquid one step manual phosphating product formulated to simultaneously clean and prepare large parts for painting. It is designed for use in manual applications utilizing a high-pressure spray or by submersion in the chemical. What makes TCI 4961 H.D. unique is that it can be used without a subsequent rinse. The coating developed by TCI 4961 H.D. provides increased paint adhesion under today's modern finishes.

TCI 4961 H.D. has excellent cleaning capabilities. The surfactant package was chosen to remove typical soils used in the manufacture of large parts. It was proven to have superior cleaning properties compared to the manually applied detergent iron phosphates available today. What's more, TCI 4961 H.D. is biodegradable.

It has been formulated to overcome the effects of hard water, and reduce streaky coatings—both chronic problems in treating large parts.

Consult your Tetra-Chem Technical Sales Specialist for information on Tetra-Chem application equipment—steam generators (portable and stationary), hot/high pressure units, spray wands and associated equipment.

### Application Procedure

TCI 4961 H.D. may be applied by a manual high-pressure spray or by submersion in the chemical under the following process parameters:

Concentration.....0.5–2.0% at the nozzle  
pH ..... 3.5–4.5  
Time .....as required  
Temperature.....dependent on application equipment. Sump solutions max. 140°F

### Solution Disposal

According to the Ontario Ministry of the Environment and Climate Change *Regulation 347* and local municipal by-laws, the cleaning process has generated a liquid industrial waste. The waste water rinse is biodegradable and non-flammable.

The spent waste solvent is removed as 122 C from the wash system by Tetra-Chem Industries Ltd. for recycling at no charge on delivery of fresh product.

Ontario certificate of approval  
A 800506

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

**For industrial and institutional use only.**

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