



Product Application Presentation

Product Identifier:

TCI 810 H.D.

Process Identifier: Cold immersion multi-metal parts degreaser (aluminum, steel, magnesium) for aviation/automotive

Product Presentation

TCI 810 H.D. is a concentrated, light amber, non-flammable clear liquid with a distinct solvent odor.

Process Specificity

TCI 810 H.D. is a concentrated homogeneous liquid solvent system with special additives to achieve fast, efficient and thorough removal of oil, grease, combustion by-products, carbon, varnish, gum deposits, all paints, oxide films and light rust from automotive, agricultural, industrial and aviation engine components (cast iron, steel, aluminum, magnesium, copper and brass) ready for machining, refinishing and rebuilding.

Solution Maintenance

The solution is weakened or reduced by chemical reactions with acidic soils, sludge formation from paints, emulsification of oils and greases, and drag out losses. Periodic additions should be made as a basis for controlling the solution level. This product has a long shelf life, and performance rating. Sluggish performance is the best indicator of a spent solution.

Process Introduction

TCI 810 H.D. is charged directly from the shipping container to a **Model 010** Manufacturer's approved *Agitating Immersion Tank*. The size is to be determined by the parts to be cleaned. The Immersion Tank should be filled with TCI 810 H.D. to leave 1/3 air space with a tightly sealing lid to retard evaporation.

Operations Procedure

The work is immersed in TCI 810 H.D. for a period of 20–30 minutes depending on the complexity of the industrial soil (24 hours for heavy soils). After the cleaning process, the work is removed from the vessel and sufficiently drained to minimize drag out losses. The work is then transferred to the wash bay and rinsed with high pressure cold water and dried with hot water or forced air.

Primary characteristic:

Halogenated solvent & sludge

Waste class:

Ontario 241 H liquid & sludge

Hazardous waste number:

Un 1593

Packaging:

20 L

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. Discharged through a treatment system (e.g. 3 stage interceptor)
2. Manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a Generator Registration Number, or
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. Dry paint sludges can be disposed of in regular dry garbage. Rinsing of parts with water does not generate a hazardous waste to sanitary sewers or septic systems.

Warning: may deteriorate rubber and sensitive plastics (e.g. plexiglass) upon contact. These materials swell and become brittle. Consult service representative for safe and efficient applications.

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Please call our technical support line at 1-888-658-5515 for solutions to your industry.

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