



TETRA-CHEM INDUSTRIES LTD.

271 INGERSOLL ST. S.
INGERSOLL, ONTARIO
CANADA N5C 3J7

TEL: (519) 485-4370
TOLL FREE: (888) 658-5515
FAX: (855) 762-4446
EMAIL: info@tetra-chem.com
WEB SITE: www.tetra-chem.com

SPECIALTY CHEMISTRY

WASTE MANAGEMENT

APPLICATION TECHNOLOGY

INNOVATIVE ENGINEERING

Product Application Presentation

Product Identifier:

TCI 105 H.D.

Process Identifier: **Non-aqueous long-life, biodegradable parts maintenance cleaning fluid**

Product Presentation

TCI 105 H.D. is a ready to use high flash point, non-corrosive, very low evaporation rate, low toxicity liquid formula. It is made from virgin stock natural orange extracts and aliphatic hydrocarbon solvents, biodegradable detergents, and emulsifiers for degreasing and decarbonizing all types of metals and water resistant surfaces.

This built formulation quickly penetrates the organic/aqueous soil structure on parts to be cleaned. Since it breaks up the soil into emulsifiable particles it becomes rinsable with hot or cold water. The result is a film free surface that will not flash rust and can be painted without further degreasing.

Special safety features

TCI 105 H.D. is combustible in its usable form. It becomes non-flammable and does not promote the spread of fire when introduced to water. Accidental splashing into the eyes is thoroughly removed quickly with a cold water flush.

Packaging

Product Order Codes:

20 L: 105-020

205 L: 105-205



Process Introduction

TCI 105 H.D. is designed for recirculating parts/brake washers, soak tanks, or mechanical spray systems. The performance is superior to varsol-based cleaning methods on heavy grime in industrial, automotive, aviation, and agricultural applications. Cleans entire spectrum of hydrophobic (oil) and hydrophilic (water) based soil compositions. The parts cleaned and rinsed with water will not flash rust. **TCI 105 H.D.** is non-corrosive to ferrous, non-ferrous, and white metals. It is safe on most plastics and rubbers. Pretest on painted surfaces e.g. lettering, logos, and murals.

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. **Do not dispose of in waste oil unless used directly in authorized shop oil burning furnaces.** The waste water rinse is biodegradable and non-flammable when emulsified with water prior to discharging to sanitary sewer.

The spent waste solvent is removed as **PROVINCIAL WASTE CLASS 213 I** from the parts/brake washer cleaning system by Tetra-Chem Industries Ltd. for recycling or refining as an alternative energy source at no charge on delivery of fresh product change.

Process Specificity

TCI 105 H.D. is ideal for all types of parts cleaning systems i.e. immersion, ultra-sonic, vibratory, and spray cleaning methods with a tremendous soil loading capacity. It is designed to instantly remove **all** of carbon, tar/asphalt, oils, dirt, all greases, inks, embedded metallic particles, undercoatings and overspray, smut and varnish as well as a combination of these soils from any surface. The entire complex can be emulsifiable in hot or cold water. Leaves no undesirable film on any surface. Prevents fish-eye formation when painting surfaces. Short exposure is **not** harmful to paint. Use **TCI 105 H.D.** only in manufacturer's approved cleaning systems. Use as supplied and introduce directly to: recirculating tanks fabricated with non-sparking aluminum materials such as our **Model 015, Model 045, Model 075, or Model 100 Parts Washers** equipped with 5-25 micron filter. Agitate the parts with a flow through brush until clean. If necessary, remove excess solvent residue with water for an ultra clean dielectric surface.

The cleaning performance and longevity is 10 times superior to recycled solvent products. At the delivered product stage, it does not contain known contamination such as carcinogens which cannot be removed in the distillation process from recycled waste solvent collections.

TCI 105 H.D. has a built-in prolonged performance expectancy of up to 10 times over all virgin mineral spirit type solvent products and 15 times for recycled solvents. The cleaning efficiency remains high even at the top end of the soil loading spectrum.

Drag-out losses are greatly reduced by the sheathing action of the surfactants and the special drip tray provided. Although its evaporation rate is extremely low, its physical properties are still subject to atmospheric conditions.

Ontario certificate of approval

A 800506

Model 75

MOBILE Solvent Parts Washer



For industrial and institutional use only.

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

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

Copyright 2016 Tetra-Chem Industries Ltd. All rights reserved. Printed in Canada.

No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of the publisher.