

TETRA-CHEM INDUSTRIES LTD.



SPECIALTY
CHEMISTRY

INNOVATIVE
ENGINEERING

APPLICATION
TECHNOLOGY

WASTE MANAGEMENT
SERVICES

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Check out our Web Site !
www.tetra-chem.com

PRODUCT APPLICATION PRESENTATION

PRODUCT IDENTIFIER:
PROCESS IDENTIFIER:

TCI 105 H.D.TM
NON-AQUEOUS BIODEGRADABLE NATURAL SOLVENT

PRODUCT PRESENTATION:

TCI 105 H.D. is a ready to use high flash point, non-corrosive, low evaporation rate, low toxicity liquid formula. It is made from **virgin stock** natural orange extract hydrocarbon solvents, biodegradable detergents and emulsifiers for degreasing and decarbonizing all types of metal surfaces. It quickly penetrates the organic/aqueous soil structure and breaks it up into emulsifiable particles for easy rinsing with hot or cold water.

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 removed quickly with a cold water flush.



PROCESS INTRODUCTION:

TCI 105 H.D. is designed for recirculating parts 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. Pre-test on painted surfaces ie. lettering, logos and murals.

SOLUTION DISPOSAL:

According to the Ontario Ministry of the Environment and Energy "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 when emulsified with water prior to discharging to sanitary sewer.

The spent waste solvent is removed from the parts washer system by:

Tetra-Chem Industries Ltd. for recycling or refining as an alternative energy source at NO CHARGE on delivery of fresh product.

ONTARIO CERTIFICATE OF APPROVAL
A 800506

PACKAGING: 25 LITERS, 205 LITERS

PROCESS SPECIFICITY:

TCI 105 H.D. is ideal for all types of parts cleaning systems ie. immersion, ultra-sonic, vibratory and spray cleaning methods with a tremendous soil loading capacity. It is designed to remove carbon, oil, dirt, grease, ink, metallic particles, undercoating overspray, smut and varnish as well as a combination of these soils from any surface. The entire complex is emulsifiable in hot or cold water. Leaves no undesirable film on any surface. Prevents fisheye formation when painting surfaces. Short exposure is harmless to paint. Use **TCI 105 H.D.** only in manufacturer's approved cleaning systems. (See WEB SITE: "PARTS WASHER" button). Use as supplied and introduce directly to: **MODEL 010, MODEL 045, MODEL 075 OR MODEL 100 Parts Washers.** Agitate the parts with a flow thru brush until clean. Remove excess solvent by using forced air or flush with water.

The cleaning performance and longevity is superior to **RECYCLED SOLVENT PRODUCTS.** At the finished product stage, it does not contain known contamination carcinogens which cannot be removed in the distillation process from recycled waste solvent collections.

TCI 105 H.D. has a build-in prolonged performance expectancy of up to **5 X** over all mineral spirit type solvent products. The cleaning efficiency remains high even at the top end of the soil load spectrum. Dragout losses are greatly reduced by the sheathing action of the surfactants and the special drip tray provided. Although its evaporation rate is greatly retarded, its physical properties are still subject to atmospheric temperature and pressure.

PLEASE CALL OUR **TECHNICAL SUPPORT LINE @ 1-888-658-5515 FOR SOLUTIONS TO YOUR INDUSTRY.**
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