



Product Application Presentation

Product Identifier:

TCI 109 H.D.

Process Identifier:

Broad spectrum heavy duty ceramic media vibratory shaker/tumbler solvent

Product Presentation

TCI 109 H.D. is a ready to use high flash point, non-corrosive, low evaporation rate, low toxicity liquid formula. It is made from a combination of virgin stock natural orange extracts and aliphatic hydrocarbon solvents for degreasing and decarboxinating all types of metal surfaces.

This formulation quickly penetrates the organic/aqueous soil structure and breaks it up into soluble particles for a dry residue free surface.

Special safety features

TCI 109 H.D. is combustible in its usable form with a high flash point for safety.

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

The spent waste solvent is removed as **PROVINCIAL WASTE CLASS 213 I** from the vibratory shaker or tumbler cleaning system by Tetra-Chem Industries Ltd. for for refining or recycling as an alternative energy source at no charge on delivery of refill product.

**Ontario certificate of approval
A 800506**

PACKAGING

Product Order CODES

20 L.....109-020 Carboy

205 L.....109-205 Drum

1000 L.....109-1000 Tote

Process Introduction

TCI 109 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 109 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.

TCI 109 H.D.

Dripping onto moving MEDIA & PARTS



TYPICAL VIBRATORY SHAKER

Process Specificity

TCI 109 H.D. is ideal for all types of parts cleaning systems i.e. immersion, ultra-sonic, vibratory, tumbler, and spray cleaning methods with a tremendous soil loading capacity. It is designed to instantly remove **ALL** of carbon, tar/ashphalt, oils, dirt, all greases, inks, metallic particles, undercoatings and overspray, smut and varnish as well as a combination of these soils from any surface. Leaves no undesirable film on any surface. Prevents fish-eye formation when painting surfaces. Short exposure is **NOT** harmful to paint. Use **TCI 109 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.

The cleaning performance and longevity is 10 times superior to recycled solvent products. At the manufactured stage, it does NOT contain known carcinogenic contamination which cannot be removed in the distillation process from recycled waste solvent batch collections.

TCI 109 H.D. has a built-in prolonged performance expectancy of up to 5 times over all virgin mineral spirit type solvent products and 10 times for recycled solvents. The cleaning efficiency remains high even at the top end of the soil load 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 temperature.

For industrial and institutional use only.

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