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SPECIALTY CHEMISTRY

WASTE MANAGEMENT

APPLICATION TECHNOLOGY

INNOVATIVE ENGINEERING

## Product Application Presentation

Product Identifier:

# TCI 529 H.D.

Process Identifier:

Paint/stainless steel/extruded & polished aluminum-chemical & atmospheric corrosion cleaner concentrate

### Product Presentation

**TCI 529 H.D.** is a concentrated acidic formulation of biodegradable sequestering agents and environmentally friendly detergents. **TCI 529 H.D.** is drawn from the shipping container and applied to the surface as foam or spray at a 50-100:1 dilution. This solution is made of high foaming detergents for fast surface coverage and thorough soil penetration. This product is designed for all commodity tarnished stainless steel tankers and extruded and polished aluminum articles on horse and cattle trailers, all commodity trailers as well as all painted or FRP trailers including tractors.

### Process Introduction

The applied solution formulation is designed to effectively remove long standing scum on chassis due to deeply embedded road films, salt, rust, dirt, oils, diesel soot, black welding soot, corrosion on paint and oxide residues without etching the surface of aluminum to a white finish or leaving undesirable streaks.

This procedure can be used on a regular basis when needed - producing a chemically passified **shiny** surface. Every time you clean, another layer of corrosion protection is added to electrical connections especially on aluminum articles to protect against salt corrosion.

### Process Specificity

#### This Procedure Is For Trained Personnel Only

To start operation, set up the chemical applicator foaming system and regulate the pressure to 1,000 psi. The pump will operate by starting and stopping the flow with an electrical switch that activates the pump, opens the water and air solenoid valves.

**Caution:** Do not spray or foam **TCI 529 H.D.** directly onto a hot metal surface since it will alter the chemistry resulting in staining. Walk around the whole unit being treated and thoroughly cool and wet the entire surface on a hot sunny day. The best time is in a wash bay or early in the morning or evenings outside. Foam the chemical solution directly from the Dosatron set at 50-100:1 onto the dirty surfaces and have the pressure washer ready for rinsing. Apply the chemical solution as a foam to the entire surface of the units body starting from the bottom and working up. Assure complete coverage. Once the application is complete, immediately pressure wash with cold water at 3000 psi and at least 4 gallons/minute from the bottom up and a final flush from the top down making sure to flush any trapped chemical residues. Exposure time is directly proportional to soil thickness.

#### Brushing is not required.

Rinse the section with high pressure at 4 gpm and 3000 psi cold water starting at the bottom and consistently moving with a 10 cm fan or less in a horizontal pattern until the top is reached. Then rinse all residual chemical solution thoroughly from the surface working from the top down. Be sure to always rinse the chemical solution overspray from other sections in the same fashion. Special cautions apply to the bulk carriers because of their rounded tops. When the entire unit is complete, a final water rinse will assure no residual chemical activity on the aluminum or stainless steel surfaces.

**PACKAGING: 020, 205, 1,050 L or BULK**



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