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 333 H.D.**

Process Identifier: **Brushless non-etching welding soot cleaner and passifier of highly polished aluminum**

Product Presentation

TCI 333 H.D. is a ready to use complex liquid formulation of environmentally friendly dilute acids with unique and stable biodegradable surface active agents for passivation. It is designed to remove welding soot and smoke without compromising the high optical reflectivity on polished aluminum, hard chrome and stainless steel surfaces.

Process Introduction

TCI 333 H.D. formula is so designed to effectively remove residual dirt, oils, road film, black welding and diesel soot, corrosion, oxide films, design marker and microscopic projections from polished rolled and extruded aluminum surfaces without *white* etching or pitting. There is **no** danger of chemical stains or burns on the substrate when kept wet.

Packaging: 20, 205, 1000 L and 5, 55, 275 USG

Product Application Procedure

This Procedure Is For Trained Personnel Only

To start operation, set up the chemical applicator system and regulate the air pressure to 340–400 kPa (50–60 psi). The pump will operate automatically by starting and stopping the flow on demand at the wand.

Caution: surface must be cool to touch. Do not spray **TCI 333 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 early in the morning or evenings. Spray the chemical solution directly from the drum onto the metal surface and have the pressure washer ready for rinsing. Apply the chemical solution as a spray to a (1–2 metre) 3–6 foot section of the units body starting from the bottom and working up. Assure complete thin film coverage. Once the application is complete, allow approximately a 1–3 min chemical exposure time. Exposure time is directly proportional to soil composition.

No Brushing. Prevent Scratching.

Rinse the section with high pressure water starting at the bottom and consistently moving with a (10 cm) 4 inch 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 and flush will assure no residual chemical activity on the aluminum surface.

Waste Disposal Procedure

The cleaning product is environmentally friendly but may generate a hazardous industrial waste depending on the surface contamination removed. Comply with EPA's Federal, Provincial, State and local regulations.

Process Specificity

The cleaning ability of this product is restricted to quality rolled or extruded primary aluminum articles. **TCI 333 H.D.** is applied as a light even mist or spray to the surface to be cleaned using the Manufacturer's approved chemical applicator system (See Brochure) and rinsed with a high pressure cold water washer operating at >24000 kPa at 15 L/min (3500 psi at 4 gal/min). This product is designed for cleaning newly manufactured products e.g. motor homes, RVs, horse trailers, recycling trucks, feed carriers, semi dumps, bulk carriers (milk, flour, cement, petroleum etc.) Wheels, fuel tanks & cattle pots and at the maintenance facilities of the owner or fleet operators wash bay.

Precautionary Note

Insufficient rinsing may result in streaks as the surface dries. (e.g. trapped chemical). This precaution only applies to rolled aluminum and not to extrusions or sheeting on newly fabricated units. Since no brushing is required, be consistent with the wand pattern.

This chemical treatment procedure passivates aluminum metal surfaces and inhibits against corrosion. As the new aluminum surface is now exposed to the air it will form a natural aluminum oxide film protecting it against pit corrosion. Accessories on finished products, such as light assemblies, reflectors, glass & mirrors, plastics, brass, stainless steel, hard chrome, decals, logos, wood, tarps, mud flaps or rubber tires are not altered or defaced by this chemical solution when used according to directions.

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.

Caution: do not let any chemical dry on the surface (wind drift chemical spray is a potential danger) concentrated chemical without water may stain surfaces if not rinsed