

TETRA-CHEM INDUSTRIES LTD.



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CHEMISTRY

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SERVICES

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PRODUCT APPLICATION PRESENTATION

TCI 1228 H.D.™

ALKALINE MULTI - METAL IMMERSION CLEANER

PRODUCT IDENTIFIER:
PROCESS IDENTIFIER:

PRODUCT PRESENTATION:

TCI 1228 H.D. is a dry, free flowing, granular, dust free, mildly alkaline formulation of biodegradable detergents, special rust and lime scale removers, chelating agents, buffers and corrosion inhibitors.

TCI 1228 H.D. is charged to a volume of hot water at 85°C at a rate of 10 g/l. (CONVERSION: 180°F at a rate of 1.5 oz./gal).

WARNING:

DO NOT USE STRONG ALKALINE SOLUTIONS FOR CLEANING ALUMINUM, ITS ALLOYS OR OTHER WHITE METALS. CONSULT SERVICE REPRESENTATIVE FOR SAFE AND EFFICIENT APPLICATION OF **TCI 1228 H.D.**

PACKAGING: 100 kg, 200 kg

PROCESS SPECIFICITY:

Immersion cleaning of soiled aluminum, ferrous and copper metals and their alloys pertaining to the metal stamping, drawing, machining etc. of automotive and industrial parts. Soils effectively removed through alkaline immersion cleaning include; dirt, oil, grease, carbon, metallic particles, rust, phosphate coatings, heat treat scale and smut. The metals are cleaned by emulsification, dispersion, saponification, or a combination of these mechanisms in a hot aqueous environment. The cleaning solution comes in contact with the **ENTIRE** surface of the part. After the alkaline cleaner had affected the soil on the part, the soil is removed from the metal surface by convection currents in the solution which are created by heating units or through some mechanical means of solution movement.

SOLUTION DISPOSAL:

The clean chemical solution is biodegradable, but according to the Ontario Ministry of the Environment and Energy "Regulation 347", and local municipal by-laws the cleaning process may have generated a hazardous or liquid industrial waste in which case it must be:

1. discharged through a treatment system ie. 3 stage interceptor or
2. manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a Generator Registration Number or
3. removed by a licensed carrier and received by a licensed receiver under a Service Contract providing a Garage License Number. Contact TETRA-CHEM INDUSTRIES LTD. for complete and complementary analytical tests in compliance with the regulations prior to sewer discharge.



BEFORE



5 SECONDS AFTER



SOLUTION MAINTENANCE: **TCI 1228 H.D.** alkaline cleaner is weakened by reactions with acid soils and hard water, by sludge resulting from common ion absorption on solids or emulsified oils, and by dilution resulting from water additions made to replenish dragout losses. Periodic tests should be made to monitor the solution strength with **TEST KIT 1228** provided.

SPECIAL Note: Use a floating oil absorbant pad or boom to remove floating contaminants from the surface of the water to prevent resoiling of parts.

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