

TETRA-CHEM INDUSTRIES LTD.



SPECIALTY
CHEMISTRY

INNOVATIVE
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APPLICATION
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WASTE MANAGEMENT
SERVICES

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www.tetra-chem.com

PRODUCT APPLICATION PRESENTATION

PRODUCT IDENTIFIER:
PROCESS IDENTIFIER:

T C I 1 2 0 2 H . D .TM
HOT CAUSTIC FERROUS METAL SPRAY WASH COMPOUND

PRODUCT PRESENTATION:

TCI 1202 H.D. is a solid, fine granule, cream colored, slightly moist and dust free powder of strong alkaline builders, non-foaming and biodegradable detergents and compounds incorporating special buffers, chelating agents and corrosion inhibitors.

TCI 1202 H.D. is charged to a volume of hot water at 85° C at a rate of 50 g / L.

CONVERSION: 180°F at a rate of 8 oz./ gal.)

PROCESS SPECIFICITY:

Hot aqueous high pressure spray cleaning of soiled ferrous and copper metals and their alloys pertaining to automotive and industrial engines and power transmission components. Soils effectively removed through high pressure turbulence (50-80 psi) include: dirt, oil, varnish, drawing compounds, grease, carbon, metallic particles, paints, rust, phosphate coatings, heat treat scale and smut. The metals are cleaned by sequestration, emulsification, dispersion, saponification or a combination of these mechanisms. The cleaning solution comes in contact with the entire surface of the part. After the alkaline cleaner has affected the soil on the part, the soil is removed from the metal surface by high pressure penetration i.e. mechanical means of solution movement.

SOLUTION MAINTENANCE:

TCI 1202 H.D. is maintained through simple addition of compound. Solution strength is determined by titrating with a dilute acid to the phenolphthalein end point with **TEST KIT 1202. (RED to CLEAR)**

If a foaming problem should arise, check solution strength, only if the solution strength and temperature are normal, add more of the high alkaline stable detergent used in this formulation. If the jet washer has an operational oil skimmer, **DO NOT USE IT.**

CAUTION: DO NOT SHUT HEAT OFF ON WEEKENDS OR OVERNIGHTS. ADD COLD MAKE - UP WATER NIGHTLY.

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 i.e. 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.

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 1202 H.D.



PACKAGING:

25 kg, 100 kg, 200 kg

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