

TETRA-CHEM INDUSTRIES LTD.



SPECIALTY CHEMISTRY • INNOVATIVE ENGINEERING
APPLICATION TECHNOLOGY • WASTE MANAGEMENT SYSTEMS

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www.tetra-chem.com

PRODUCT APPLICATION PRESENTATION

PRODUCT IDENTIFIER:
PROCESS IDENTIFIER:

T C I 1 2 0 4 H. D.™
WELDING SMOKE/TOBACCO SMOKE FILTER CLEANER

PRODUCT PRESENTATION:

TCI 1204 H.D. is a solid, granular, cream colored, slightly moist and dust free powder of mild alkaline builders, non-foaming and biodegradable detergent compounds incorporating special buffers, chelating agents and corrosion inhibitors.

TCI 1204 H.D. is charged to a volume of hot water at 85°C at a rate of 25 g / L.

CONVERSION: 180°F at a rate of 4 oz./ gal.)

PROCESS SPECIFICITY:

Hot aqueous high pressure spray cleaning of soiled aluminum, ferrous and copper metal surfaces pertaining to SMOKE HOGS used in automotive and industrial environments for hygiene. Soils effectively removed through high pressure turbulence (50-80 psi) include: air pollution smoke containing dirt, oil, varnish, drawing compounds, grease, carbon, metallic particles, paints particles, rust, and smut. The metal fins are cleaned by emulsification, dispersion, saponification and sludge settling 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 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.



PACKAGING: 180 kg

SOLUTION MAINTENANCE:

TCI 1204 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 1204**. If a foaming problem should arise, check solution strength, only if the solution strength and temperature are normal, add a defoamer. CAUTION: DO NOT SHUT HEAT OFF ON WEEKENDS.

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