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SPECIALTY CHEMISTRY

WASTE MANAGEMENT

APPLICATION TECHNOLOGY

INNOVATIVE ENGINEERING

Product Application Presentation

Product Identifier:

TCI 1201 H.D.

Process Identifier: Ferrous metal hot aqueous immersion degreaser, rust, scale, paint stripper and corrosion inhibitor powder

Product Presentation

TCI 1201 H.D. is a dry, free flowing granular cream coloured, dust free powder of very strong alkaline builders, incorporating special buffers, rust and lime scale removers, biodegradable detergents, chelating agents and corrosion inhibitors.

TCI 1201 H.D. is charged to hot water 60–80°C at a rate of 70–100 g/L. Conversion: 160–180°F at a rate of 8–11 oz/gal.

WARNING: Not for cleaning aluminum or other white metals. Consult service representative for safe and efficient intended applications.

Typical hot immersion washer



TCI 1201 H.D.

when used according to directions will prevent rust and corrosion of all wetted parts of heads, blocks, intake manifolds and crank shafts by steam, vapor or liquid of the steel cabinet and solution holding reservoir of the hot tank.

Process Specificity

Hot aqueous (70–80°C) immersion cleaning of soiled stainless steel, ferrous and copper metals and their alloys pertaining to rebuilders of automotive and industrial engines and power transmission components. Soils effectively removed through turbulence include: dirt, oil, varnish, drawing compounds, grease, carbon, metallic particles, most paints, rust, phosphate coatings, heat treat scale and smut. The metals are cleaned by emulsification, dispersion, saponification and sludge settling or a combination of these mechanisms. The cleaning solution comes in contact with the entire internal and external surfaces of the part when immersed in the solution. After the alkaline cleaner has affected the soil on the part, the soil is removed from the metal surface by dispersion, i.e. mechanical means of solution movement.

The cleaning cycle (1–8 hours) depends on the type of dirt and the type of parts cleaned. Due to the hot cleaning process, parts dry quickly with no residual white powder residue. Use a airblow gun to remove the residual cleaning solution from pooling areas, threaded bolt holes, cracks and crevices.



For industrial and institutional use only.

Solution Maintenance

The cleaning solution concentration is maintained through simple addition of the TCI 1201 H.D. compound. Solution strength is determined by titrating with a dilute acid to the phenolphthalein end point with **Titration Kit 1201**.

CAUTION: You may shut the heat off overnight or on weekends to allow the oil skimmer to remove floating protective oils and waxes that separate during cooling. The solution must be back up to 70–80°C before cleaning resumes.

Solution Disposal

The water rinse chemical solution is biodegradable, but according to the Ontario Ministry of the Environment and Climate Change *Regulation 347*, and local municipal by-laws the cleaning process may have generated a hazardous or liquid industrial waste in which case the rinse water must be discharged through a treatment system e.g. 3 stage interceptor.

Hot tank wastemust be manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a Generator Registration Number; OR 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 discharge.

Packaging:

Code 1201-025 for 25 kg plastic pail,
Code 1201-100 for 100 kg plastic keg,
Code 1201-200 for 200 kg plastic drum.

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.

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