



Product Application Presentation

Product Identifier:

TCI 1134 H.D.

Process Identifier:

Hot caustic ultra-sonic assist radiator boil-out immersion cleaner

Product Presentation

TCI 1134 H.D. is a dry, free flowing, granular, dust free, highly alkaline formulation of biodegradable detergents, special rust and lime scale removers, chelating agents, buffers and corrosion inhibitors.

TCI 1134 H.D. is charged to a volume of hot water at 85°C at a rate of 40–70 g/l. (Conversion: 180°F at a rate of 6–11 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 1133 H.D.

Process Specificity

Immersion cleaning of soiled ferrous and copper metals and their alloys pertaining to automotive and industrial radiator rebuilding. Soils effectively removed through alkaline immersion cleaning include; solder bloom (scale) dirt, oil, grease, carbon, metallic particles, paints and enamels, rust, phosphate coatings, heat treat scale and smut. The metals are cleaned by 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 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 (e.g. ultra-sonics).

Solution Maintenance

TCI 1134 H.D. solution 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 1134** provided.

Solution Disposal

The clean 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 it must be:

1. Manifested and removed by a licensed carrier and received by a licensed receiver accompanied by a Generator Registration Number or
2. 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: 100 kg, 200 kg

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.

Copyright 2016 Tetra-Chem Industries Ltd. All rights reserved. Printed in Canada.

No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of the publisher.