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SPECIALTY CHEMISTRY

WASTE MANAGEMENT

APPLICATION TECHNOLOGY

INNOVATIVE ENGINEERING

Product Application Presentation

Product Identifier:

TCI 2040 H.D.

Process Identifier: Synthetic microemulsion machine coolant-wet grinding, cutting and lathing lubricant

Process Information

TCI 2040 H.D. is added to a volume of water at ambient temperature at a rate of 10–30 ml/L. (2–5 oz/gal).

Solution Disposal

According to the Ontario Ministry of the Environment & Climate Change "Regulation 347", the machining process has generated a hazardous or liquid industrial waste that must be removed by a licensed carrier and be received by a licensed receiver accompanied by a Generator Registration Number.



Ontario Waste Class: 251 L

Process Specificity

TCI 2040 H.D. is designed for the marine, automotive aviation and industrial re-building industry for machining of crankshafts, heads and flywheels on crankshaft grinders, head resurfacers and flywheel grinders respectively.

Solution Maintenance

TCI 2040 H.D. in its microemulsion state will allow quick settling-out of the swarf and clean continuous flotation of foreign oils to the surface. Due to the difficulty of foreign oils establishing a stable emulsion, the life of the coolant is greatly extended in comparison to "water soluble oil" coolants. To prevent other oil causing complications such as "burning" and "glazing" use one of our simple continuous oil extraction methods.

The apparatus used for checking and controlling the solution strength is a refractometer that is calibrated for each specific coolant used.

Product Presentation

TCI 2040 H.D. is a viscous, fluorescent orange-green dyed, concentrated pre-formed microemulsion formulation that readily mixes with soft as well as with extremely hard water to form a translucent solution.

Both oil and water phase are fortified with corrosion inhibitors and bacteriacides. The water phase is build with extreme pressure additives, anti-rust and oxidation inhibitors, non-foaming detergent and wetting agents. Surfaces in contact with the dilute coolant are easy to keep clean since there is no sticky residue build-up. Although skin should be protected against bacteriacides, no adverse skin reactions are likely to occur under normal skin conditions.

Skin shield products available.

Packaging & Product Code:

25 L.....2040-025

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