

CSI-39224

Low-Foaming Grinding Coolant For Ferrous Alloys

CSI-39326 is a new non-foaming coolant concentrate for use in high output grinding operations on cast iron, steel, and other ferrous alloys where excellent cooling and rust prevention properties are the primary requirement. It dissolves readily in water to yield a clear amber solution which remains stable in the sump.

CSI-39326 is designed for those who desire maximum performance properties at lowest usage cost.

Features

Contains No Oil

There is no oil in CSI-39326. Therefore, wheel loading and clogging is minimized. Waste disposal is also facilitated since oil separation procedures are not required.

Keeps Equipment Clean

CSI-39326 has excellent cleaning properties that carry away fines (swarf), thus helping to prevent buildup on the wheels and work surfaces. Swarf will not deposit on walls and parts of the machines or in the lines. Fines will settle rapidly in the sump so that recirculation to the workpiece is prevented.

Central Systems

CSI-39326 has excellent stability properties in central systems. It is easy to maintain.

Anti-Rust Properties

The excellent anti-rust properties of CSI-39326 will provide rust protection even at the highest dilution ratio (50 to 1). CSI-39326 can be used as a rust preventive in hydrostatic testing solutions.

Benefits

CSI-39326 is effective at concentrations between 5.0% and 2.0% (equivalent to 20 to 1 and 50 to 1 dilution ratios) so that heat build-up is minimized.

Solutions of CSI-39326 are highly transparent, thus making it possible to observe and control close tolerance grinding.

CSI-39326 has excellent storage properties and is freeze-thaw resistant so that special storage conditions are not required.

CSI-39326 is not affected by water of commonly encountered hardness so that special softening treatments are not required.

Applications

CSI-39326 is recommended for use on steel, cast iron, and all ferrous alloys. For questions on unusual or unique alloys or metals please contact your CHEMSAFE representative. Recommended starting dilution ratio is 20 to 1. Can be used up to a dilution ratio of 50 to 1. (Optimum dilution should be determined by performance properties in the specific application.)

Availability

CSI-39326 is available in 55-gallon drum quantities from stock. Bulk quantities upon request.

Properties

Color Concentrate	Amber
Solution Appearance	Light Amber
pH, Concentrate	10.50
pH, 100 to 1 dilution	9.50
Sp. Gr. at 77°F (25°C)	1.038
Refractive Index, (Brix)	50°
Foam 20:1	Low

Dilution Ratios vs. Refractive Index*

Dilution Ratio	Refractive Index (° Brix)
10-1	5.00
20-1	2.50
30-1	1.70
40-1	1.25
50-1	1.00

*Misco Products - Model 10430 Refractometer. Solution temperature 77°F (25°C).

Disposal

CSI-39326 contains no mercurials, mineral oil, phenols or phosphates. Before disposal, check with local government pollution control agencies for special requirements.

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