

CORROSION PREVENTIVE

FERROCOTE® 61 MAL HCL 1 MILL APPLIED LUBRICANT - AUTOMOTIVE APPROVED APPLICATION SHEET

BENEFITS

- » Can be applied by the typical application methods, including electrostatic
- » Used for coating coils at all mill speeds
- » Can be stacked or coiled immediately after application
- » Contains small quantities of emulsifiers for ease of removal in industrial cleaning lines
- » System of high film strength synthetics in combination with organic corrosion inhibitors for use on ferrous and non-ferrous surfaces
- » Contains extreme pressure and polar additives for both E.P. lubrication and acid atmosphere protection

APPLICATIONS

FERROCOTE® 61 MAL HCL 1 is a flexing, blank washing, blanking, stamping, and drawing lubricant. This product is a lubricant-rust preventive that is designed to be applied to sheet steel and/or blanks in any of the aforementioned operations.

FLUID MAINTENANCE

This product is used as received. It should not be diluted with any type of solvent or oil. Dilution will significantly reduce its performance and quality. Concentration control is not an issue with this product because it is used as received.

Please consult your Quaker representative for more information on proper fluid maintenance.

PROCESS COMPATIBILITY

To enhance process compatibility, use Quaker metalworking fluids and cleaners. Consult your Quaker representative.

CLEANING AND PROTECTING

To clean and protect, after the drawing and stamping operation, use Quaker cleaners (QUAKERCLEAN®) and corrosion preventives (FERROCOTE®) to enhance process compatibility. Consult your Quaker representative.

FERROCOTE® 61 MAL HCL 1

MILL APPLIED LUBRICANT - AUTOMOTIVE APPROVED

APPLICATION SHEET

PACKAGING AND STORAGE

FERROCOTE® 61 MAL HCL 1 is available in drums (54 gal/429 lbs) or totes (320 gal/2,544 lbs), and also bulk tank truck. All containers are filled to volume by weight.

This product has a shelf life of 6 months. Like most chemicals, it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 110°F (43°C).

PROPERTIES

PROPERTIES	TYPICAL VALUES
Appearance	Translucent, Green Liquid
Specific Gravity at 60°F	7.95 lbs/gal
Flash Point via COC	400°F / 204°C
Fire Point via COC	415°F / 212°C
Viscosity at 100°F	210 SUS
Pour Point	<0°F / <-18°C
Film Thickness	0.24 mils
Coverage per Gallon @ 250 mg/ft ²	14,500 gal/ft ²

PERFORMANCE TESTS

JAN H-792 Humidity Cabinet	15 - 20 days 1010 Cold Rolled Steel
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CUSTOMERS

- » AK Steel
- » American Lubricants
- » Arcelor Mittal Steel
- » Delaco-Kasle
- » Double Eagle Steel Coatings
- » Ford Motor
- » General Motors
- » Industrial Chemical Co.
- » Kenwal Pickling
- » Material Science Corp
- » Nucor Steel
- » Numit
- » ProTec Coating Co.
- » Regional Steel Distribution Co.
- » Severstal NA
- » Spartanburg Steel Stamping
- » ThyssenKrupp
- » US Steel
- » Wheeling-Nisshin
- » Worthington Specialty Products

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