CRL SPRAY MIST COOLANT

SYNTHETIC METALWORKING FLUID FOR GRINDING FERROUS SUBSTRATES

PRIMARY APPLICATION

CRL Spray Mist Coolant is a synthetic grinding fluid developed to provide superior performance for critical grinding applications of ferrous metals. This unique blend of anionic additives, polar nonionic lubricants and film-forming ingredients provides outstanding film strength necessary for excellent surface finish, tool life and corrosion protection. In addition, the inherent biostability of this product minimizes depletion due to its resistance to microbial action.

The versatility of this product makes it ideal for plants where intermittent service demands superior bacterial resistance. CRL Spray Mist Coolant provides superior chip settling properties. The controlled detergency of CRL Spray Mist Coolant reduces tackiness and gritty residues. It resists emulsification of tramp oils, which could reduce the performance of fluid as well as increase misting levels. CRL Spray Mist Coolant can be used on selected light duty machining applications.

CHEMICAL CHARACTERISTICS	
CHEMICAL COMPOSITION:	synthetic lubricity additives
PHYSICAL FORM:	liquid
ODOR:	bland
BULK DENSITY:	8.74 lb/gal
COLOR OF CONCENTRATE:	clear blue
pH: CONCENTRATE:	9.0

APPLICATION PROCEDURE

	CAST IRON	STEEL
Tapping, Reaming, Sawing 10:1/20:1	7%	10%
Milling, Drilling, Turning 20:1/30:1	5%	6%
Centerless, I.D., O.D., Grinding 20:1/40:1	3%	5%

These are general concentration recommendations. Specific concentrations will vary with tooling, filtration, and part metallurgy.

SOLUTION CONTROL

CRL Spray Mist Coolant is monitored by titration and refractometer

The concentration is checked using Gardotest Procedure 210.

Sample Volume	– 50 ml.
Titrant	– 1.0N Hydrochloric Acid
Conversion Factor (%)	– 1.04
Refractometer Factor	– 2.5

***NOTE:** Refractometer readings are subject to change due to water quality.*

EQUIPMENT

For information on compatible materials of construction, read the label and Safety Data Sheet.

NOTES ON USE (SAFETY DATA SHEET)

CRL Spray Mist Coolant can be stored either indoors or outdoors. If outdoor storage is used, the product should be brought to room temperature prior to use. Read the label and Safety Data Sheet for instructions on equipment required when handling this material.

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Safety Data Sheets should be read and understood by all personnel in contact with these materials.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Dry indoor storage at temperatures between 40ºF and 100ºF (4.4ºC and 37.8ºC) is recommended, away from any incompatible materials referenced in the Safety Data Sheets. All containers should be tightly closed when not in use.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, providential and local regulations. The process solution can contain components other than those present in the materials as supplied. Analysis of process solutions may be required prior to disposal.

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CRL US ALUMINUM

CRL COOLANT
Spray Mist Coolant

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