



## PRODUCT DATA SHEET

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### KOOL-ALL

#### PRODUCT DESCRIPTION

Kool-ALL is a clear, dark blue semi-synthetic cutting & grinding fluid. Kool-ALL is designed primarily for light to medium machining of ferrous and non-ferrous metals. Kool-ALL is formulated to contain no chlorine, sulfur, or phosphorous additives. It is operator and environmentally safe, exhibits good detergency, and rejects tramp oil. It offers long sump life and is easily maintained.

#### ATTRIBUTES

- Excellent corrosion protection
- Outstanding oil rejection
- No chlorine, sulfur, or phosphorous additives
- Good detergency and high workpiece visibility
- Long fluid life

#### TYPICAL PHYSICAL PROPERTIES

##### Appearance:

Undiluted Concentrate:	Clear, dark blue fluid
Weight/Gallon (25° C):	8.55lbs/gal
Typical Dilution:	Clear, light to opaque blue fluid
Flash Point:	None

#### Application Information

<u>Operation</u>	<u>Dilution</u>	<u>Refractometer Reading</u>	<u>pH</u>
Sawing	10:1	5.1	9.7
General Machining	20:1	2.6	9.4
Grinding	25:1	2.0	9.4

#### DIRECTIONS

Add desired amount of water to sump. Add desired amount of undiluted Kool-ALL to the water in the sump. Use moderate agitation to mix thoroughly by pump circulation or by stirring. Measure refractometer readings and adjust as necessary.

For optimal coolant performance, it is important to maintain consistent coolant concentrations. Check concentration levels daily with a refractometer. Effort should be made to remove tramp oil contamination on a regular basis. Prevent the addition of other contaminants to the fluid system.

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