



Formulations For Today's
Technical Manufacturing Needs

An ISO 9001:2000 Certified Company

ASTRO-SAW A

General Description

ASTRO-SAW A is a State-of-the-Art heavy duty oil-free coolant concentrate designed to replace soluble oil in production sawing of all metals except magnesium. This product is excellent on aluminum.

ASTRO-SAW A contains a remarkable package of EP additives and corrosion inhibitors which offer outstanding performance without the mess and disposal concerns of soluble oil coolants.

Application

ASTRO-SAW A works on all sawing applications including cutoff, band, power hacksaw, reciprocating, etc. This product may be used on ferrous and non-ferrous metals, from aluminum to stainless steel.

Advantages

- Superior Cooling Function
- Excellent Corrosion Inhibition
- For Ferrous and Non-Ferrous Metals
- Oil Free - Minimal Disposal Costs
- Provides Excellent Finish
- Mild Pleasant Odor
- Long Sump Life
- Chlorine, Sulfur and Phosphorous-free
- Clean Running
- Extends Blade Life

Recommended Concentrations

Application	Concentration, %	Ratio	Refractometer
All Sawing	10%	1:10	3.2

Mixing Instructions

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. To maintain recommended concentration, make-up or top-off should be added at one-half of the desired concentration.

Concentration, %	7%	10%	15%
Ratio	1:14	1:10	1:7
Refractometer	2.2	3.2	4.8

Typical Properties

Appearance-Concentrate	Clear Amber liquid
Appearance- Dilution	Transparent Amber
Residual Film	Soft, soluble
pH @ 20:1	9.0 ± 0.2
Specific Gravity @ 60°F	1.04 ± 0.03
Lbs/Gallon	8.6 ± 0.1
Flash point, PMCC °F	None

ASTRO-SAW A is available in 5 gallon pails, 55 gallon drums and 275 gallon IBCs. Material Safety Data Sheets are available for all products. All reasonable care has been taken to ensure that the above information is accurate as of the date of printing.

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