

ASTRO-SOL A

General Description

ASTRO-SOL A is a medium to heavy duty biostatic soluble oil. This product was designed to be extended with water for the machining and grinding of virtually all metals except magnesium.

This chlorine-free formulation is especially suited for aerospace and other applications which restrict the use of chlorine. **ASTRO-SOL A** has exceptional foam control for high pressure operations even in soft water areas and is also hard water stable preventing scumming and soap formation. The products' ability to resist extreme biological degradation provides for a long sump life in properly maintained coolant systems.

Due to **ASTRO-SOL A's** machining performance across a wide range of applications and materials it provides an excellent opportunity for product rationalisation which is key for most SME engineering companies.

Another innovative feature of **ASTRO-SOL A** is that it is compatible with most other water extendable mineral oil based coolants. It can just be simply added in its diluted form to coolant sumps for top up purposes of other products, negating the need for expensive cleanouts, disposal and manufacturing downtime until an appropriate time to do so. Of course the full benefits of the performance of the Astro-sol A will not be realised until appreciable top ups have been made. It will however ensure that any bacterial contamination or machining issues will be gradually improved by using this material.

From a Health and Safety standpoint, if the coolant sump is rancid and smelling badly, it will need to be cleaned out and changed irrespective of how good any product that is used for top up.

Application

ASTRO-SOL A is designed for use in all metal cutting applications including CNC milling, turning, drilling, tapping, reaming, grinding and sawing operations on both Ferrous and Non-ferrous materials.

Advantages

- Eliminates Need for Tank-side Additives
- Excellent Corrosion Inhibition
- Excellent Hard Water Stability
- Mild Pleasant Odour
- Long Lasting
- Operator Friendly

Recommended Concentrations

General machining 5-10% and dilutions can be increased for the more arduous operations.

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Typical Properties

Appearance-Concentrate	Amber liquid
Appearance- Dilution	White emulsion
Residual Film	Soft, fluid
pH @ 20:1	9.2
Specific Gravity @ 60°F	0.97
Total Chlorine, wt %	None
Refractometer Correction Factor	1.0

These characteristics are typical of current production. Whilst future production will conform to Monroe's specification, variations in these characteristics may occur.

Packaging

ASTRO-SOL A is available in 25, 60, 205 and 1,000 liter container. 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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