



TRICOOL

– International –

Ares 60

Ares 60 is a cost-effective emulsifier and corrosion inhibitor package for the manufacture of low oil, semi-synthetic, water-mix metalworking fluids, offering long service life.

Features

- Compatible with a wide range of base oils
- Anionic & Non-ionic surfactant system
- Excellent corrosion inhibition
- Provides stable concentrates & emulsions
- Easy incorporation of EP & lubricity additives
- Extremely cost-effective
- Simplified fluid production
- Free from nitrites, phenols, chlorine & PTBBA

Sales Specification

Parameter	Specification
Appearance	Amber Fluid
Specific Gravity at 20c	1.01-1.03
Total Alkalinity, % weight KOH	15
Stability @ 0c	Stable, fluid
Stability @ 40c	Stable, fluid



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Blending Options

Basic Blend:	Ares 60	@ 40.00%
	Water	@ 59.85%
	Antifoam	@ 0.15%
	Dye	@0.02% (if required)
EP Blend:	Ares 60	@ 40.00%
	Water	@ 54.85%
	PGDO	@ 5.00%
	Antifoam	@ 0.15%
EP Blend: (Chlorine Free)	Ares 60	@ 40.00%
	Water	@52.85
	PGDO	@ 5.00%
	P6AES	@ 2.00%
	Antifoam	@ 0.15%

Typical Finished Basic Blend Data

Concentrate:	Appearance	Amber Fluid
	Stability @ 0c	Stable Fluid
	Stability @ 40c	Stable Fluid
Emulsion:	Appearance	Translucent
	IP 287, break point %	3.0
	pH	9.3-9.5
	Stability, 200ppm	Semi-Translucent, Stable
	Stability, 500ppm	Translucent/Slightly Opaque, Stable



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Blending Advice

Temperature is optimum at 20c-30c
Ares 60 should be placed in a blending vessel
Add water slowly with constant stirring
Add dye (if required) slowly, with constant stirring
Add antifoam slowly, with constant stirring

Storage Advice

Ares 60 should be stored under cover out of direct sunlight and protected from extreme temperatures, ideally at 10c-30c. Avoid water being collected on the rim of drums. Ares 60 has a shelf life of 12 months from the date of supply when stored under the recommended conditions.



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