



## Almaredge™ 70

General Purpose Soluble Oil

### Description

Castrol Almaredge™ 70 (previously called Safety-Cool™ 70) is an economical soluble oil for general machining and grinding of ferrous and non-ferrous metals. The oily concentrate mixes easily with hard or soft water to form a stable white emulsion that provides good wetting and chip settling action. Safety-Cool 70 is especially well suited for recirculating central systems where conventional maintenance techniques can prolong the service life of the emulsion.

### Advantages

- Mixes easily with water of various hardness, providing a stable emulsion
- The oily residue provides lubrication to fixtures and gauges
- Non-staining to copper and aluminium alloys
- Easy to dispose of by conventional waste treatment methods

### Typical Characteristics

Name	Method	Unit	Almaredge 70
Appearance of Concentrate	Visual	-	Clear amber fluid
Appearance of Dilution	Visual	-	Milky - white emulsion
pH of Dilution	CN-TM-069	@5%	9.8 – 10.4
Specific Gravity @ 60°F (16°C)	ASTM D1298 / ISO 3675	-	0.915 – 0.935
Bulk Density	-	lbs/gal	7.8
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

Subject to usual manufacturing tolerances.

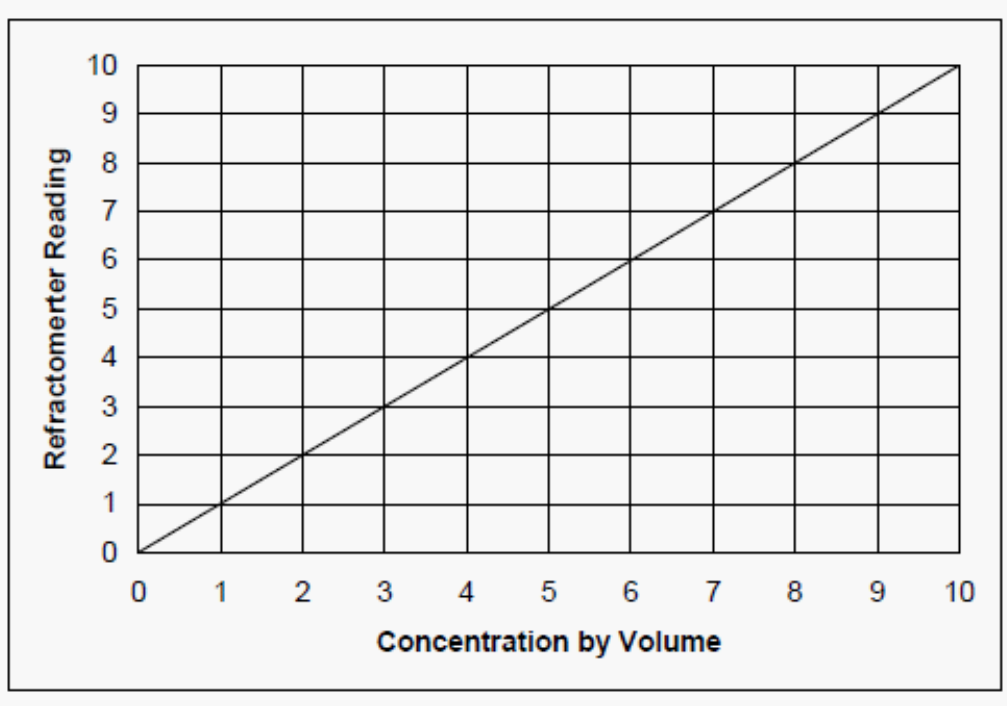
### Recommended Concentrations

Grinding	4 - 5%
Machining	5 - 8%

# Concentration Control

## % Concentration Refractometer Reading

3.0	3.0
5.0	5.0
7.0	7.0
10.0	10.0



## User Advice

Almargde 70 is recommended for machining and grinding of ferrous and non-ferrous alloys. Consult your Castrol Account Manager for questions regarding compatibility.

## Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

**This product was previously called Safety-Cool 70. The name was changed in 2015.**

Almargde™ 70  
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