



## Almaredge™ 65

Water Soluble Metalworking Fluid

### Description

Castrol Almaredge™ 65 (previously called Safety-Cool™ 65) is a water soluble metalworking fluid for machining aerospace aluminum and other aerospace alloys. Almaredge 65 contains additives that work in synergy to enhance machining performance and utilize the capabilities of traditional aerospace machining fluids. Almaredge 65 is suitable for large central systems and single sump machines.

### Advantages

- Non-staining to aerospace aluminum and other aerospace alloys
- Stable fluid suitable for a wide range of water conditions
- Low foaming in nearly all water conditions
- Excellent wetting properties reduce fluid drag-out and deliver clean machine tools and components

### Typical Characteristics

Name	Method	Units	Almaredge 65
Appearance	CN-TM-007	-	Transparent to slightly hazy, blue fluid
pH of Emulsion @ 5%	CN-TM-069	-	9.0 - 9.6
Specific Gravity @ 15°C / 60°F	VN-TM-005	-	0.98 - 1.0
Chlorine	-	-	No
Nitrites	-	-	No

Subject to usual manufacturing tolerances.

### Recommended Concentrations

Grinding: 5 - 6%

Machining: 5 - 7%

### Concentration Control

Refractometer Reading	% Concentration
2.1	3.0
3.6	5.0
5.0	7.0
7.1	10.0

## User Advice

Almaredge 65 is recommended for machining and grinding of aerospace aluminum as well as all other aerospace 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 named Safety-Cool 65. The name was changed in 2015.**

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