



Product Data Sheet

Almaredge BI

General purpose soluble metalworking fluid

Description

Castrol Almaredge™ BI is a general purpose soluble metalworking fluid formulated without boron. It contains an additive package that helps to provide good lubrication properties and performs well in a wide water range.

Almaredge BI can be used in single sump machines as well large systems.

Application

Almaredge BI is a versatile product recommended for general machining on low-medium alloy steel and aluminium alloys.

Ü Ü suggested core application Ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low -medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding						
Milling, Turning (general machining)	Ü	Ü Ü	Ü	Ü Ü		Ü
Drilling	Ü	Ü Ü	Ü	Ü Ü		Ü
Reaming, Tapping	Ü	Ü Ü	Ü	Ü		Ü
Broaching				Ü		Ü

Advantages

- Formulated without boron which helps you to fulfil aspects of legislative requirements and waste treatment requirements that specify that this chemical is excluded
- Versatile product suitable for wide range of materials and operations
- Low foam in recommended water conditions

Typical Characteristics

Name	Method	Units	Almaredge BI
Concentrate	-	-	-
Appearance	Visual	-	Amber
Mineral oil content	Calculated	Wt%	> 60
Emulsion	-	-	-
Appearance	Visual	-	Milky
pH (5%)	DIN 51 361 / ASTM E70-97	-	9.5
Refractometer Factor	-	-	1.0

Subject to usual manufacturing tolerances.

Recommended Concentrations

General Machining 4 - 7%

Drilling 5 - 7%

Reaming and tapping 7 - 10%

Water range 50 - 400 ppm CaCO

Storage

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

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

Almaredge BI

04 Aug 2023

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Singapore Pte. Limited (202034037D), 7 Straits View, Marina One East Tower, #26-01, Singapore 018936
Phone No : 800-120-7082
www.castrol.com