



Product Data

Ilocut 546 MP

Multi-purpose neat cutting oil

Description

Castrol Ilocut™ 546 MP is a chlorine and heavy-metal free, multi-purpose neat cutting oil. Formulated from highly refined base oils, it can also be used as a hydraulic oil confirming to ISO 6743/4 Type HM and DIN 51502 Class HLP-D specification.

Castrol Ilocut 546 MP is suitable for large central systems and single sump machines.

Application

Castrol Ilocut 546 MP is designed for general machining of ferrous as well as non-ferrous materials. It does not contain active sulphur and is hence compatible with yellow metals as well.

Advantages

- Truly multipurpose – spent hydraulic oil can be used as a neat cutting oil thereby reducing overall cost
- Excellent detergency and dispersancy properties preventing residues or deposits on work piece
- Excellent wetting characteristics reduce drag out and result in lower product usage
- Good filtering characteristics and high oxidation stability increases product lifetime
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs

Typical Characteristics

Name	Test Method	Unit	Ilocut 546 MP
Appearance	Visual		Yellow
Specific Gravity @ 15°C / 59°F	ASTM D1298 / ISO 3675	kg/m ³	875
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	46
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	215 / 415
Copper corrosion (3 hrs@100°C/212°F)	ASTM D130 / ISO 2160	Rating	1a

Additional Information

	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives				ü			

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.

Ilocut 546 MP

18 Dec 2014

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. 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 Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>