



## Product Data

# Ilocut EDM 401

High performance Electric Discharge Machining Fluid

## Description

Castrol Ilocut™ EDM 401 is a medium viscosity mineral oil based high performance electric discharge machining (EDM) fluid, designed to enable optimum rates of metal removal, together with low electrode wear, good surface finish and fine tolerances.

It is especially formulated to provide exceptional performance in all spark-erosion applications.

## Application

Ilocut EDM 401 is recommended for use on all ferrous and non ferrous metals. It is designed for large electric discharge machines and is particularly suited for roughing operations where high rate of metal removal is required.

## Advantages

- Optimum viscosity ensures good cooling and flushing action in narrow spark gaps
- Low odour and light colour result in greater operator acceptability
- Lower aromatics result in a safe and pleasant work environment
- Excellent filterability and high oxidation stability ensures long service life

## Typical Characteristics

Name	Method	Units	
Appearance	Visual		Clear, transparent
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	3.2 - 4.6
Viscosity at 100°F	ASTM D 446	SUS	36.5 – 41.2
Density at 15°C	DIN 51757 ASTM D 1298		807 min
	calculated	lbs/gal	6.72 min
Flashpoint PMCC	ISO 2719	°C	120 min
	ASTM D 93	°F	248 min
Ilocut EDM 401 10 No. Copper corrosion	ISO 2160 ASTM D 130		1b

Castrol, Ilocut EDM 401 and the Castrol logo 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 should be stored away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

Enter Address, Enter Telephone No.

[www.castrol.com/industrial](http://www.castrol.com/industrial)