

Product Data Sheet

Mobil Vacmul XLM 5 Neat Honing and Grinding Oil

Product Description

Mobil Vacmul XLM 5 is a light coloured low odour oil for honing and superfinishing operations. It contains lubricity and anti wear additives to provide long tool life and excellent surface finish. Mobil Vacmul XLM 5 is based on an unconventional base oil giving benefits of low evaporation and low misting.

Benefits

Mobil Vacmul XLM 5 offers the following benefits:

- Light coloured allowing operators easy visibility of tool and workpiece
- Low evaporation to improve the workshop environment and reduce oil consumption
- Very low viscosity to ensure penetration of the cutting area and rapid removal of fines
- Fines settle quickly from the oil and assists filtration
- Long charge life and low maintenance costs
- Chlorine free for lower disposal costs

Application

Mobil Vacmul XLM 5 is recommended for honing and superfinishing operations on various types of metals, including steel, copper and aluminium. The low viscosity gives maximum cooling and allows rapid swarf separation with minimum drag out. Vacmul XLM 5 is also suitable for cutting and grinding of small parts.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Vacmul XLM 5

	Test Methods	Units	Result
Appearance	Visual		Light yellow
Specific Gravity at 15°C	ASTM D1298	g/cm ³	0.835
Kinematic Viscosity at 40°C	ASTM D445	cSt	5.0
Flash Point, COC	ASTM D92	°C	146
Copper Corrosion	ASTM D130		1B

Due to continual product research and development, the information contained herein is subject to change without notice.

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