

# Product Data Sheet

## Vacmul 2105 Premium Quality Form Grinding Oil

### Product Description

Vacmul 2105 is a premium quality form grinding oil prepared from solvent refined paraffinic mineral oils and a very effective wetting agent combination. It can also be used in automatics and light to medium duty cutting operations.

### Benefits

Vacmul 2105 offer the following benefits:

- High inherent lubricity and metal wetting ability ensure good surface finish in machining operations
- Heat removal properties prevent burning of components and maintain dimensional accuracy
- Light colour and product transparency make the workpiece and fixtures easy to observe
- Flushing action and wetting action ensure clean open grinding wheels
- Rapid fines separation and ease of filtration for economy in service
- Suitable for machining ferrous metals
- Long service life due to excellent stability and filterability
- Lubricity and flushing ability keep wheels clean and open for maximum production rates
- Slideways and machine tool fixtures kept free from staining
- Easily filtered through diatomaceous earth medium

### Application

Vacmul 2105 is primarily recommended for heavy duty form grinding operations, including flute grinding of drills, taps and end mills, at high wheel speeds and feed rates. It can also be used on light to medium duty cutting operations including turning, profile machining, thread grinding and automatic operations.

Vacmul 2105 is not recommended for use on yellow metals.

Vacmul 2105 can be used in non-critical low pressure hydraulic systems.

Additive levels must be checked regularly on operations producing fine swarf. An additive concentrate, Concentrate 2105, is available to ensure optimum viscosity and additive levels during service.

## 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

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### Vacmul 2105

Relative Density, 15/4 °C	0.875
Viscosity, cSt at 40°C	27.5/30.5
Flash Point, COC °C min.	204

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

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**Mobil Oil Company Limited**  
**Acting as Agent for Mobil Lubricants UK Limited**  
**ExxonMobil House, Ermyn Way**  
**Leatherhead, Surrey, KT22 8UX**  
**Telephone: 01372 22 2000**

