



## Product Data Sheet

# ANTICAKE VM

## HIGH VISCOSITY DUST CONTROL OILS

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ANTICAKE VM Oils are special high viscosity formulations that are intended to provide effective, long term dust control in the production and storage of ores and fertilizer components. The oils can also act as carriers for anticaking additives where needed. In the recommended applications, these oils provide the following benefits:

- ◆ Long term dust control
- ◆ Little or no surface discoloration
- ◆ Low odour and volatility
- ◆ High flash points
- ◆ Good additive solubility
- ◆ Fully refined non-controlled products

### *Primary Applications*

The ANTICAKE VM series are blended with high viscosity, fully refined paraffinic basestocks to create products with high viscosity, low volatility and high flash point characteristics. This is a safety feature which allows these oils to be used on heated products directly from a kiln or furnace up to a maximum surface temperature of 175°C.

The ANTICAKE VM oils are recommended for use on difficult substrates such as porous crystalline materials to help control and suppress dust formation. The high viscosity helps produce thick oil films for good particle adhesion and minimizes performance losses resulting from oil migration into the interior of the particle. The range of viscosities offered by this product family is intended to cover the most difficult applications.

ANTICAKE VM oils are light coloured, and will not significantly affect the final colour of the substrate.

### *Precautions*

ANTICAKE VM oils are non-toxic products made from a fully refined, paraffinic basestock. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact with the skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the appropriate Material Safety Data Sheet for further information on each product.

Note: These products are not controlled under Canadian WHMIS legislation.

**Typical Properties:**

	ESSO ANTICAKE VM 160	ESSO ANTICAKE VM 250
Density, 15°C, kg/m3	876	875
Colour, ASTM	1.0	<1.5
Flash Point, COC, °C	229	226
Kinematic Viscosity		
cst @ 40°C	402	610
cst @ 60°C (calculated)	160	248
cst @ 100°C	43	62

*The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.*