

# MATERIAL SAFETY DATA SHEET

June 2015

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## SECTION 1

## MATERIAL IDENTIFICATION

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Trade Name: **ESSO FLEX250**  
Other Names: Virgin Oil  
Chemical Synonyms and Family: Petroleum hydrocarbon  
Name of Manufacturer/Supplier: Imperial Oil (416) 986-4111  
Address & Emergency Phone Number: Da-Lee Dust Control (905) 643-1135  
350 Jones Road, Stoney Creek, Ont.  
L8E 5N2  
**Poison Control Centre Numbers:** Consult local telephone directory for emergency numbers.  
Application: Dust Suppression on roadways and parking lots.

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## REGULATORY CLASSIFICATION

### WHMIS:

Not a controlled product

### CEPA: CANADIAN ENVIRONMENTAL PROTECTION ACT

All components of this material are either on the Domestic Substance list (DSL), the conditional list or exempt from the notification and assessment requirements of CEPA

## TRANSPORTATION OF DANGEROUS GOODS INFORMATION

Shipping Name: Petroleum Lubrication Oil  
Class: Not Applicable Packing Group: Not Applicable  
PIN Number: Not Applicable Guide Number: 129  
Please be aware that other regulations may apply

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## SECTION II

## REGULATED COMPONENTS

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The following components are defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14(a) of the Hazardous Products Act.

NAME	%	CAS #
No regulated components		

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## SECTION III

## PHYSICAL DATA

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Physical State: Liquid  
Specific Gravity: Not Available  
Viscosity: 50 00 cSt at 40 deg C  
Vapour Density: Not Available  
Boiling Point: 288 to 600 deg C  
Evaporation Rate: < 1 (1=n-butylacetate)  
Solubility in Water: Negligible  
Freezing/Pour Point: -21 deg C D97  
Odour Threshold: Not available  
Vapour Pressure: < 1 kPa at 38 deg C  
Density: 0.86 g/cc at 15 deg C  
Appearance/Odour: Amber liquid, petroleum odour

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**SECTION IV**

**FIRE & EXPLOSION DATA**

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Flashpoint and method: 190 deg C COC D92

Autoignition: 315 deg C Flammable Limits: LEL: NA UEL: NA

**GENERAL HAZARDS:**

Low Hazard: liquids may burn upon heating to temperatures at or above the flash point.  
Toxic gases will form upon combustion.

**FIRE FIGHTING:**

Use water spray to cool fire exposed surfaces and to protect personnel.

Shut off fuel to fire.

Use foam, dry chemical or water spray to extinguish fire.

Respiratory and eye protection required for fire fighting personnel.

Avoid spraying water directly into storage containers due to danger of boilover.

A self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA may not be required.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, carbon monoxide, carbon dioxide and traces of oxides of sulphur.

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**SECTION V**

**HEALTH HAZARD INFORMATION**

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**NATURE OF Hazard**

**INHALATION:**

Negligible hazard at normal temperatures (up to 38 deg C)

Elevated temperatures or mechanical action may form vapours, mists or fumes which may be irritating to the eyes, nose, throat and lungs.

Avoid breathing vapours or mists.

**EYE CONTACT:**

Slightly irritating, but will not injure eye tissue.

**SKIN CONTACT:**

Low toxicity.

Frequent or prolonged contact may irritate the skin.

**INGESTION:**

Low toxicity.

**ACUTE TOXICITY DATA:**

Based on animal testing data from similar materials and products, the acute toxicity of this product is expected to be:

Oral: LD50 > 5000 mg/kg (Rat)

Dermal: LD50 > 3160 mg/kg (Rabbit)

Inhalation: LC50 > 5000 mg/m3 (Rat)

**OCCUPATIONAL EXPOSURE LIMIT:**

ACGIH recommends:

For oil mists, 5 mg/m3

Local regulated limits may vary.

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**SECTION VI****FIRST AID PROCEDURES INFORMATION**

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**FIRST AID MEASURES****INHALATION:**

Vapour pressure of this material is low and as such inhalation under normal conditions is usually not a problem. If overexposed to oil mist, remove from further exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.

**EYE CONTACT:**

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

**SKIN CONTACT:**

Flush with large amounts of water. Use soap if available. Remove severely contaminated clothing (including shoes) and launder before reuse. If irritation persists, seek medical attention.

**INGESTION:**

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

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**SECTION VII****REACTIVITY DATA**

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**STABILITY:**

This product is stable. Hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION:**

none

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**SECTION VIII****SPILL OR LEAKAGE PROCEDURES**

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**HANDLING, STORAGE AND SHIPPING:**

Keep containers closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Store and load at normal (up to 38 deg C) temperature and at atmospheric pressure.

Empty Containers may contain product residue. Do not pressurize, cut, heat, or weld empty containers. Do not reuse empty containers without commercial cleaning or reconditioning.

**LAND SPILL:**

Eliminate source of ignition. Keep public away. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Recover by pumping or by using a suitable absorbent. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spills.

**WATER SPILL**

Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in unconfined waters. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

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**SECTION IX**

**SPECIAL PROTECTION INFORMATION**

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The use of local exhaust ventilation is recommended to control emissions near the source. Laboratory samples should be handled in a fumehood. Provide mechanical ventilation of confined spaces.

**PERSONAL PROTECTION:**

The selection of personal protective equipment varies, depending upon conditions of use.

Where prolonged and/or repeated skin and eye contact is likely to occur, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.

Where eye contact is unlikely, but may occur as result of short and/or periodic exposures, wear safety glasses with side shields.

Where concentrations in air may exceed the occupational exposure limits given in Section V and where engineering, work practices or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation.

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**SECTION X**

**SPECIAL PRECAUTIONS**

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Store in cool, well-ventilated area. Wash hands after handling and before eating. Avoid inhalation and skin contact. Launder work clothes frequently. Discard saturated leather goods.

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**NOTE:**

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WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH ON THIS DATA SHEET ARE BELIEVED TO BE ACCURATE AS OF THE PRESENT DATE, DA-LEE DUST CONTROL MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

**PREPARED BY:**

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