



# Monarch Oil (Kitchener) Limited

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Revision Date: 12/15/2010

Print Date 01/20/2011

MSDS Number: R0000592

Version: 1.4

## SAFETY DATA SHEET

### MINERAL SEAL OIL

### AC440

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)

Product name	MINERAL SEAL OIL
Product code	20091
Product Use Description	No data

#### 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance: liquid,, clear

CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS. MAY BE HARMFUL IF INHALED.

##### Potential Health Effects

##### **Routes of Exposure**

Skin contact, Inhalation, Skin absorption, Eye Contact, Ingestion

##### **Eye Contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

##### **Skin Contact**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

##### **Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

##### **Inhalation**

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It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions)

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

**Target Organs**

No data

**Carcinogenicity**

This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

**Reproductive Hazard**

There are no data available for assessing risk to the fetus from maternal exposure to this material.

**Other Information**

No data

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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<b>Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
MINERAL SEAL OIL	64741-44-2	<=100%

<b>4. FIRST AID MEASURES</b>
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**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

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**Skin**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

**Notes to Physician**

**Hazards:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

foam, water spray, carbon dioxide (CO<sub>2</sub>), dry chemical

**Hazardous Combustion Products**

May form: carbon dioxide and carbon monoxide, various hydrocarbons

**Precautions for Fire-Fighting**

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

**Flammability Class for Flammable Liquids**

Combustible Liquid Class IIIB Combustible Liquid Class IIIB

**6. ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions**

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

**Environmental Precautions**

No data

**Methods for Cleaning Up**

No data

**7. HANDLING AND STORAGE****Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

**Storage**

Store in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines****General Advice**

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

**Exposure Controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

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**Eye Protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

**Skin and Body Protection**

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Wear resistant gloves such as:

Polyethylene

**Respiratory Protection**

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Physical state</b>	liquid
<b>Form</b>	No data
<b>Colour</b>	clear
<b>Odour</b>	hydrocarbon-like
<b>Boiling point/range</b>	455 °F / 235 °C @ 760 mmHg
<b>pH</b>	No data
<b>Flash point</b>	258 °F / 126 °C Cleveland open cup
<b>Evaporation rate</b>	< 0.01 (N-Butyl Acetate)
<b>Explosion limits</b>	0.9 %(V) 7.0 %(V)
<b>Vapour pressure</b>	0.01 mmHg @ 68.00 °F / 20.00 °C
<b>Vapour density</b>	5
<b>Density</b>	No data
	7 lb/gal @ 60.00 °F / 15.56 °C
<b>Solubility</b>	negligible in water
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Autoignition temperature</b>	490 °F / 254 °C

<b>10. STABILITY AND REACTIVITY</b>
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**Stability**

Stable.

**Conditions to Avoid****Incompatible Products**

Avoid contact with:, strong oxidizing agents

**Hazardous Decomposition Products**

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

**Hazardous Reactions**

Product will not undergo hazardous polymerization.

**Thermal Decomposition**

No data

**11. TOXICOLOGICAL INFORMATION****Acute Oral Toxicity**

MINERAL SEAL OIL

LD 50 Rat: 5 g/kg

**Acute Inhalation Toxicity**

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LC 50 Rat: 1,700 mg/m<sup>3</sup>, 4 h**Acute Dermal Toxicity**

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LD 50 Rabbit: 2 g/kg

**12. ECOLOGICAL INFORMATION****Aquatic Toxicity****Acute and Prolonged Toxicity to Fish**

No data

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**Acute Toxicity to Aquatic Invertebrates**

No data

**Environmental Fate and Pathways**

No data

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

**14. TRANSPORT INFORMATION**

Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

**WHMIS Classification** D2B Toxic Material Causing Other Toxic Effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Other</b>
<b>HMIS</b>	1	1	0	
<b>NFPA</b>	0	2	0	

**16. OTHER INFORMATION**

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).