

# MATERIAL SAFETY DATA SHEET

## WAUKEE FLO-METER™ OIL

**Manual #: 019**

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**DISCLAIMER**

The information provided in this Safety Data Sheet is based on our current knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Waukee Flo-Meter™ Oil  
 Product Code: FOIL-1, FOIL-2, FOIL-3, FOIL-4, FOIL-5, FOIL-6

Manufacturer or supplier's details  
 Petro-Canada America Lubricants Inc.  
 115N Oak Park Avenue #1C  
 Oak Park IL 60301-1366  
 United States

Emergency telephone  
 Suncor Energy: +1 403-296-3000; number  
 Poison Control Center: Consult local telephone directory for emergency number(s).

### Recommended use of the chemical and restrictions on use

Recommended use : Flo-Meter™ Float Rod Dampening  
 NSF 3H and H1 Registered.  
 This product complies with FDA 21 CFR 172.878 "White Mineral Oil" and 21 CFR 178.3620(a) regulations for direct food contact.

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview

<b>Appearance</b>	Viscous Liquid
<b>Color</b>	Clear and Bright
<b>Odor</b>	Mild Petroleum Oil Like.

### GHS Classification

Aspiration hazard : Category 1

### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements: H304 May be fatal if swallowed and enters airways.

Precautionary statements:

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P331 Do NOT induce vomiting.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects**

Primary Routes of Entry:

Eye contact  
 Ingestion  
 Inhalation  
 Skin contact

Aggravated Medical Condition:

None known

Carcinogenicity:  
IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture: Substance

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
White mineral oil (petroleum)	8042-47-5	100 %

**SECTION 4. FIRST AID MEASURES**

If inhaled:

Move to fresh air.  
 Artificial respiration and/or oxygen may be necessary.  
 Seek medical advice.

In case of skin contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
 Wash skin thoroughly with soap and water or use recognized skin cleanser.  
 Wash clothing before reuse.  
 Seek medical advice.

In case of eye contact:

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

If swallowed:

Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.

Most important symptoms and effects, both acute and delayed:

First aid person needs to protect himself.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing Media:

No information available.

Specific hazards during Firefighting:

Cool closed containers exposed to fire with water spray.

Hazardous combustion:

Carbon oxides (CO, CO<sub>2</sub>), smoke and irritating vapors as products of incomplete combustion.

Further information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Material can create slippery conditions

Environmental precautions:

Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up:

Prevent further leakage or spillage if safe to do so.  
Remove all sources of ignition.  
Soak up with inert absorbent material.  
Non-sparking tools should be used  
Ensure adequate ventilation  
Contact the proper local authorities

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling:

For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Use only with adequate ventilation.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin, eyes and clothing.  
Do not ingest.  
Keep away from heat and sources of ignition.  
Keep container closed when not in use.

Conditions for safe storage:

Store in original container.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Keep in a dry, cool and well-ventilated place.  
 Keep in properly labeled containers.  
 To maintain product quality, do not store in heat or direct sunlight.  
 Ensure adequate ventilation.  
 Keep locked up or in an area accessible only to qualified or authorized persons.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

**Respiratory protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
 Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Filter type:** organic vapor filter

**Hand protection**  
**Material:** neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

**Remarks:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection:** Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Protective measures:** Wash contaminated clothing before re-use.  
 No special protective equipment required.

**Hygiene measures:** Remove and wash contaminated clothing and gloves including the inside, before re-use.  
 Wash face, hands and any exposed skin thoroughly after handling.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** :viscous liquid  
**Color** :Clear and bright

Odor:	Mild petroleum oil like
Odor Threshold:	No data available
pH:	No data available
Pour point:	18 °C (-0.40 °F)
Boiling point/boiling range:	No data available
Flash point:	175 °C (347 °F) Method: Cleveland open cup
Fire Point:	No data available
Auto-Ignition Temperature:	No data available
Evaporation rate:	No data available
Flammability:	Low fire hazard. This material must be heated before ignition will occur.
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Density:	0.85 kg/l (15 °C / 59 °F)
Solubility(ties) Water solubility:	insoluble
Partition coefficient n-octanol/water:	No data available
Viscosity, kinematic:	15.00 cSt (40°C / 104°F) 3.43 cSt (100°C / 212°F)
Explosive properties:	Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to avoid:	No data available
Incompatible materials:	Reactive with oxidizing agents.
Hazardous decomposition:	May release CO <sub>x</sub> , smoke and irritating vapors when heated products to decomposition.



**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure:

Eye contact  
Ingestion  
Inhalation  
Skin contact

**Acute toxicity****Product:**

Acute oral toxicity: Remarks: No data available

Acute inhalation toxicity: Remarks: No data available

Acute dermal toxicity: Remarks: No data available

**Components****White mineral oil (petroleum):**

Acute oral toxicity LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity: LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg

**Skin corrosion/irritation****Product:**

Remarks: No data available

**Components:****White mineral oil (petroleum):**

Result: Mild skin irritation

**Serious eye damage/eye irritation****Product:**

Remarks: No data available

**Components:****White mineral oil (petroleum):**

Result: Mild eye irritation

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT - single exposure: No data available

STOT - repeated exposure: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Eco toxicity****Product:**

Toxicity to fish: Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates: Remarks: No data available

Toxicity to algae: Remarks: No data available

Toxicity to bacteria: Remarks: No data available

**Components:****White mineral oil (petroleum)**

Toxicity to fish: NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: NOEC (Daphnia (water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae: NOEC (Chlorella vulgaris (Fresh water algae)): > 100 mg/l  
Exposure time: 72 h

**Persistence and degradability****Product:**

Biodegradability: Remarks: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues: The product should not be allowed to enter drains, water courses or the soil.  
Offer surplus and non-recyclable solutions to a licensed disposal company.  
Waste must be classified and labelled prior to recycling or disposal.  
Send to a licensed waste management company.  
Dispose of as hazardous waste in compliance with local and national regulations.  
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

## SECTION 14. TRANSPORT INFORMATION

### International Regulation

IATA-DGR:	Not regulated as a dangerous good
IMDG-Code:	Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable for product as supplied.
49 CFR:	Not regulated as a dangerous good
TDG:	Not regulated as a dangerous good
Special precautions for user:	Not applicable

## SECTION 15. REGULATORY INFORMATION

OSHA Hazards: No OSHA Hazards

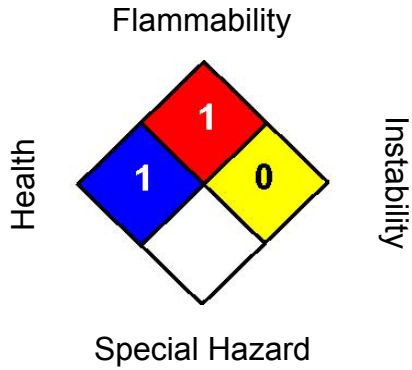
### The components of this product are reported in the following inventories:

DSL:	On the inventory, or in compliance with the inventory
TSCA:	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
IECSC:	On the inventory, or in compliance with the inventory
EINECS:	On the inventory, or in compliance with the inventory
AICS:	On the inventory, or in compliance with the inventory
KECI:	On the inventory, or in compliance with the inventory
PICCS:	On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

Further information  
NFPA:

HMIS III



<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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United Process Controls brings together leading brands to the heat treating industry including Waukee Engineering, Furnace Control, Marathon Monitors and Process-Electronic.

We provide prime control solutions through our worldwide sales and services network with easy-to-access local support.

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