SECTION 1. IDENTIFICATION

Product name: SUPREME™/MC SYNTHETIC 5W-30

Product code: MOSYN53IBC, MOSYN53DRR, MOSYN53DRM, MOSYN53DCT, MOSYN53C16, MOSYN53C12, MOSYN53, MOSYN53BLK

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

Emergency telephone number
Suncor Energy: +1 403-296-3000;
CHEMTREC Transport Emergency: 1-800-424-9300 or 1-703-527-3887 (call collect);
Poison Control Centre: Consult local telephone directory for emergency number(s).

Recommended use of the chemical and restrictions on use
Recommended use: A high performance synthetic motor oil designed for use in engines fuelled with gasoline, propane, CNG or ethanol/gasoline blends up to and including E85 where SAE 5W-30 meeting ILSAC GF-5, API SN, GM dexos1 or Honda HTO-06 is recommended.

Prepared by: Product Safety: +1 905-804-4752

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Viscous liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Amber</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild petroleum oil like.</td>
</tr>
</tbody>
</table>

GHS Classification
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Potential Health Effects
Primary Routes of Entry: Eye contact
Ingestion
Inhalation
Skin contact
Aggravated Medical Condition: None known.

Other hazards: None known.

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.

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

Substance / Mixture: Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>lubricating oils (petroleum), C15-30, hydrotreated</td>
<td>72623-86-0</td>
<td>50 - 70 %</td>
</tr>
<tr>
<td>neutral oil-based</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lubricating oils (petroleum), C20-50, hydrotreated</td>
<td>72623-87-1</td>
<td>10 - 20 %</td>
</tr>
<tr>
<td>neutral oil-based</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 physi-
SAFETY DATA SHEET
SUPREME™/MC SYNTHETIC 5W-30

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 products: Carbon oxides (CO, CO2), smoke and irritating vapours 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 labelled containers.
To maintain product quality, do not store in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>72623-86-0</td>
<td>TWA (Mist)</td>
<td>5 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m3</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

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 vapour 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.

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

Colour: Amber

Odour: Mild petroleum oil like.

Odour Threshold: No data available

pH: No data available

Pour point: \(-48^\circ C \ (-54^\circ F)\)

Boiling point/boiling range: No data available

Flash point: \(202^\circ C \ (396^\circ F)\) Method: Pensky-Martens closed 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

Vapour pressure: No data available

Relative vapour density: No data available

Density: \(0.8483 \text{ kg/l (15}\ ^\circ\ C \ / \ 59 \ ^\circ\ F)\)

Solubility(ies)
Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available

Viscosity
Viscosity, kinematic: 63.9 cSt (40 °C / 104 °F)
11.0 cSt (100 °C / 212 °F)

Explosive properties: Do not pressurise, 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 polymerisation does not occur. Stable under normal conditions.
Conditions to avoid: No data available
Incompatible materials: Reactive with oxidising agents and reducing agents.
Hazardous decomposition products: May release COx, H2S, metal oxides, smoke and irritating vapours when heated 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: Assessment: The substance or mixture has no acute dermal toxicity
Remarks: No data available

Components:
lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg,
Acute inhalation toxicity: LC50 (Rat): > 5.2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg,

**lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:**
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,
Acute inhalation toxicity : LC50 (Rat): > 5.2 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

**Serious eye damage/eye irritation**
**Product:**
Remarks: No data available

**Respiratory or skin sensitisation**
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

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**
Toxicity to fish : Remarks: No data available
Toxicity to daphnia and other : 

Internet: lubricants.petro-canada.ca/msds
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aquatic invertebrates Remarks: No data available
Toxicity to algae Remarks: No data available
Toxicity to bacteria Remarks: No data available

Persistence and degradability

Product:
Biodegradability Remarks: No data available

Bioaccumulative 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 product residue in accordance with the instructions of the person responsible for waste disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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.

National Regulations

49 CFR
Not regulated as a dangerous good
### SECTION 15. REGULATORY INFORMATION

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
- **ELINCS**: At least one component is not listed in EINECS but all such components are listed in ELINCS.

### SECTION 16. OTHER INFORMATION

**Further information**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>HEALTH 1</td>
</tr>
<tr>
<td>Health</td>
<td>FLAMMABILITY 1</td>
</tr>
<tr>
<td>Instability</td>
<td>PHYSICAL HAZARD 0</td>
</tr>
<tr>
<td>Special hazard</td>
<td>PERSONAL PROTECTION B</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

For Copy of SDS

- Internet: lubricants.petro-canada.ca/msds
- United States, telephone: 1-800-268-5850; fax: 1-800-201-6285
- For Product Safety Information: 1 905-804-4752

Prepared by: Product Safety: +1 905-804-4752

Revision Date: 2016/09/19

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