

MOV Long Life

Created: 10/01/2013 rev 0

Revision Date 03/31/2020 rev 6

SECTION 1. IDENTIFICATION

Product name: MOV Long Life – NLGI 0, 1, 2

Product Use Description: Lubricant

Synonyms: Calcium Sulfonate grease

Company: CANOIL CANADA LTD
2525 DUNWIN DRIVE, UNIT 8
MISSISSAUGA, ONTARIO
L5L 1R9 Canada
Telephone: (CA) +1 855-520-2022

Emergency telephone number: :
CANUTEC: 613-996-6666 (call collect) (CANUTEC)

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department
(CA) +1 855-520-2022
info@canoilcanadaltd.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Petroleum Severely Hydrotreated Oil	72623-87-1	$\geq 67.3 - < 83$
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	$\geq 7 - < 10$
calcium carbonate	471-34-1	$\geq 7 - < 10$
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	$\geq 1 - < 5$
calcium dodecylbenzenesulphonate	26264-06-2	$\geq 1 - < 2.5$
Sulfonic acids, petroleum, calcium salts	61789-86-4	$\geq 1 - < 5$

SECTION 4. FIRST AID MEASURES

General advice	: No hazards which require special first aid measures.
If inhaled	: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	: Eye irritation
Notes to physician	: For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: (on small fires) Carbon dioxide (CO ₂) Dry chemical, Dry sand Extinguishing media - large fires Foam Water mist
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Burning produces irritant fumes.

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Further information : Cool containers/tanks with water spray.

Standard procedure for chemical fires.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.
for firefighters Full protective flameproof clothing

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Use personal protective equipment.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Prevent further leakage or spillage if safe to do so.
Soak up with inert absorbent material.
Pick up and transfer to properly labelled containers.
Dispose of in accordance with local regulations.
Large spills should be collected mechanically (remove by pumping) for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Keep tightly closed.
Protect from contamination.
Avoid contact with skin, eyes and clothing.
Wear suitable protective equipment.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	TWA (Mist)	0.2 mg/m ³	CA BC OEL
		TWA	0.2 mg/m ³	CA BC OEL
		TWA (Mist)	1 mg/m ³	CA BC OEL
		TWA (Mist)	5 mg/m ³	CA AB OEL
		STEL (Mist)	10 mg/m ³	CA AB OEL
		TWA (Mist)	5 mg/m ³	CA QC OEL
		STEV (Mist)	10 mg/m ³	CA QC OEL
		TWA (Mist)	1 mg/m ³	CA BC OEL

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calcium carbonate	471-34-1	TWA (total dust)	10 mg/m3	CA QC OEL
		TWA	10 mg/m3 (Calcium)	CA AB OEL
		TWA	10 mg/m3 (Calcium carbonate)	CA AB OEL

Personal protective equipment

Respiratory protection : not required under normal use
In case of insufficient ventilation, wear suitable respiratory equipment.

In the case of vapor formation use a respirator with an approved filter.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses
Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : When working with hot material, avoid contact with skin.
When using do not eat or drink.
Provide adequate ventilation.
General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Paste

Colour : Tan

Odour : Slight petroleum odour

Odour Threshold : No data available

pH : Not applicable

Melting point/range : No data available

Boiling point/boiling range : Not applicable

Flash point : > 180 °C

Evaporation rate : Not applicable

Upper explosion limit : No data available

Lower explosion limit : No data available

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Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: 0.95 - 1.05
Density	: 0.95 - 1.05 g/cm ³ (25 °C)
Solubility(ies)	
Water solubility	: negligible
Solubility in other solvents	: partly soluble Solvent: Hydrocarbons
Partition coefficient: n-octanol/water	: LogP 1.77
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, kinematic	: Not applicable
Self-Accelerating decomposition temperature (SADT)	: Method: No information available.
Oxidizing potential	: No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Contamination Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Carbon oxides Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

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Acute dermal toxicity

: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method**Components:****calcium carbonate:**

Acute oral toxicity : LD50 (Rat): 6,450 mg/kg

calcium dodecylbenzenesulphonate:

Acute oral toxicity : LD50 Oral (Rat): 1,300 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 4,199 mg/kg

Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: yesAcute dermal toxicity : LD50 (Rabbit, male and female): > 4,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes**Skin corrosion/irritation****Product:**

Result: No skin irritation

Remarks: Information given is based on data obtained from similar substances.

Components:**calcium carbonate:**

Species: Rabbit

Result: No skin irritation

calcium dodecylbenzenesulphonate:

Species: Rabbit

Exposure time: 4 h

Result: Skin irritation

Remarks: Information given is based on data obtained from similar substances.

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

Result: No eye irritation

Remarks: Information given is based on data obtained from similar substances.

Components:**calcium carbonate:**

Species: Rabbit

Result: No eye irritation

calcium dodecylbenzenesulphonate:

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Species: Rabbit

Result: Risk of serious damage to eyes.

Remarks: Information given is based on data obtained from similar substances.

Respiratory or skin sensitisation**Product:**

Result: Does not cause skin sensitisation.

Remarks: Information given is based on data obtained from similar substances.

Assessment: Does not cause skin sensitisation.

Remarks: Information given is based on data obtained from similar substances.

Components:**Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:**

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Sulfonic acids, petroleum, calcium salts:

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Reproductive toxicity**Components:****calcium carbonate:**

Effects on fertility

:

Species: Rat

Application Route: Oral

Reproductive toxicity -
assessment: No toxicity to reproduction
No effects on or via lactation**Repeated dose toxicity****Product:**

Application Route: Oral

Remarks: This information is not available.

Aspiration toxicity**Product:**

No aspiration toxicity classification

Further information**Product:**

Remarks: The product itself has not been tested.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: No data available

Components:

calcium dodecylbenzenesulphonate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 22 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: no
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.5 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: no
Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EbC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

ErC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

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Persistence and degradability**Product:**

Biodegradability : Base oil expected to be inherently biodegradable.

Components:**calcium dodecylbenzenesulphonate:**

Biodegradability : Concentration: 10 mg/l
Result: Readily biodegradable.
Testing period: 28 d
Kinetic:
28 d: 73 %
Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:

Biodegradability : aerobic
Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 8.6 %
Exposure time: 28 d
GLP: yes

Bioaccumulative potential**Product:**

Bioaccumulation : LogP 1.77 - not expected to bioaccumulate

Components:**calcium dodecylbenzenesulphonate:**

Bioaccumulation : Species: *Lepomis macrochirus* (Bluegill sunfish)
Bioconcentration factor (BCF): 104
Exposure time: 21 d
GLP: no

Partition coefficient: n- : Pow: 4.77 (25 °C)
octanol/water Method: calculated

Mobility in soil**Product:**

Mobility : Remarks: No data available

Other adverse effects**Product:**

Results of PBT and vPvB : This mixture contains no substance considered to be persis-
assessment tent, bioaccumulating and toxic (PBT).

Additional ecological infor- : The product itself has not been tested.

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mation

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IM DG-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**TDG**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

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

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

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PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: Not in compliance with the inventory
US.TSCA	: On TSCA Inventory

Canadian lists

Canada. CEPA 1999 Significant New Activity (SNAc) List: No substances are subject to a Significant New Activity Notification.

Canada. Canadian Environmental Protection Act (CEPA). National Pollutant Release Inventory (NPRI) (Can. Gaz. Part I, 135:12, 940):
diphenylamine

SECTION 16. OTHER INFORMATION

Other Emergency Phone Number

Latin America:	Brazil	+55 113 711 9144
	All other countries:	+44 (0) 1235 239 670
Mexico:		+52 555 004 8763

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x % growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation,

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tion, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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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