

Valvoline® GM MULTIPURPOSE GREASE  
® Registered Trademark, Ashland or its  
subsidiaries  
VV614

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE 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	Valvoline® GM MULTIPURPOSE GREASE ® Registered Trademark, Ashland or its subsidiaries	
Product code	VV614	
Product Use Description	No data	

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: solid, amber

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin contact, Eye Contact, Ingestion

**Eye contact**

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

**Skin contact**

May cause skin irritation. Symptoms may include redness, burning, and swelling of skin.

**Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

**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. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

**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 material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**Reproductive hazard**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
HIGHLY REFINED PETROLEUM OILS		>=80-<90%
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	7620-77-1	>=10-<15%
LITHIUM CARBOXYLATE		>=1.5-<5%
ZINC COMPOUNDS	68649-42-3	>=1.5-<5%

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#### 4. FIRST AID MEASURES

##### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

##### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse. Hydrocarbons injected into the skin under pressure can cause severe injury. In the event of a high pressure injection injury, worker should obtain immediate medical assistance.

##### 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, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

##### Notes to physician

**Hazards:** Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

**Treatment:** No information available.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

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Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

**Hazardous combustion products**

carbon dioxide and carbon monoxide, hydrogen sulfide, zinc oxide, oxides of sulfur, nitrogen and phosphorus, Amines

**Precautions for fire-fighting**

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**

Combustible Liquid Class IIIB

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up**

Shovel material into containers and apply oil absorbing material to effect complete clean-up.

**Other information**

Comply with all applicable federal, state, and local regulations.

**7. HANDLING AND STORAGE**

**Handling**

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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**

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Eye protection**

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection**

Wear resistant gloves such as:

Neoprene

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

**Respiratory protection**

Respiratory protection is not required under normal conditions of use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	solid
<b>Form</b>	gel
<b>Colour</b>	amber
<b>Odour</b>	no data available
<b>Boiling point/boiling range</b>	no data available
<b>Melting point/range</b>	no data available
<b>Sublimation point</b>	no data available
<b>pH</b>	no data available
<b>Flash point</b>	450 °F / 232 °C
<b>Ignition temperature</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Lower explosion limit/Upper explosion limit</b>	no data available
<b>Particle size</b>	no data available
<b>Vapour pressure</b>	2.000 hPa Calculated Vapor Pressure
<b>Relative vapour density</b>	no data available
<b>Density</b>	0.86 g/cm <sup>3</sup> @ 60.1 °F / 15.6 °C
<b>Bulk density</b>	No data
<b>Water solubility</b>	negligible
<b>Solubility</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Viscosity, dynamic</b>	no data available
<b>Viscosity, kinematic</b>	no data available
<b>Solids in Solution</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Burning number</b>	no data available
<b>Dust explosion constant</b>	no data available
<b>Minimum ignition energy</b>	no data available

## 10. STABILITY AND REACTIVITY

**Stability**  
Stable.

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**Conditions to avoid**  
excessive heat

**Incompatible products**  
Strong oxidizing agents

**Hazardous decomposition products**  
carbon dioxide and carbon monoxide

**Hazardous reactions**  
Product will not undergo hazardous polymerization.

**Thermal decomposition**  
No data

## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**

HIGHLY REFINED PETROLEUM OILS	:	no data available
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	:	no data available
LITHIUM CARBOXYLATE	:	no data available
ZINC COMPOUNDS	:	LD 50 Rat: 2,000 - 5,000 mg/kg

**Acute inhalation toxicity**

HIGHLY REFINED PETROLEUM OILS	:	no data available
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	:	no data available
LITHIUM CARBOXYLATE	:	no data available
ZINC COMPOUNDS	:	no data available

**Acute dermal toxicity**

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HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : LD 50  
Rabbit:  
(>) 2,000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Biodegradability

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

### Bioaccumulation

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

### Ecotoxicity effects

#### Toxicity to fish

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available



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ZINC COMPOUNDS : no data available

**Toxicity to daphnia and other aquatic invertebrates.**

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

**Toxicity to algae**

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

**Toxicity to bacteria**

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

**Biochemical Oxygen Demand (BOD)**

HIGHLY REFINED PETROLEUM OILS : no data available

OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available

LITHIUM CARBOXYLATE : no data available

ZINC COMPOUNDS : no data available

**Chemical Oxygen Demand (COD)**

HIGHLY REFINED PETROLEUM OILS : no data available

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OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available  
LITHIUM CARBOXYLATE : no data available  
ZINC COMPOUNDS : no data available

**Additional ecological information**

HIGHLY REFINED PETROLEUM OILS : no data available  
OCTADECANOIC ACID, 12-HYDROXY-,  
MONOLITHIUM SALT : no data available  
LITHIUM CARBOXYLATE : no data available  
ZINC COMPOUNDS : no data available

**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.

**14. TRANSPORT INFORMATION**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /LTD. QTY.
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**U.S. DOT - ROAD**

Not dangerous goods

**U.S. DOT - RAIL**

Not dangerous goods

**U.S. DOT - INLAND WATERWAYS**

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Not dangerous goods
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**TRANSPORT CANADA - ROAD**

Not dangerous goods
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**TRANSPORT CANADA - RAIL**

Not dangerous goods
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**TRANSPORT CANADA - INLAND WATERWAYS**

Not dangerous goods
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

Not dangerous goods
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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

<b>15. REGULATORY INFORMATION</b>
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**California Prop. 65**

Proposition 65 warnings are not required for this product based on the results of a risk assessment.	
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**SARA Hazard Classification**

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No SARA Hazards

**SARA 313 Component(s)**  
ZINC COMPOUNDS

1.99 %

**New Jersey RTK Label Information**

HIGHLY REFINED PETROLEUM OILS	
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT LITHIUM CARBOXYLATE	7620-77-1
ZINC COMPOUNDS	68649-42-3
PROPRIETARY LUBRICANT ADDITIVE	

**Pennsylvania RTK Label Information**

HIGHLY REFINED PETROLEUM OILS	
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT LITHIUM CARBOXYLATE	7620-77-1

**Notification status**

US. Toxic Substances Control Act	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Japan. Kashin-Hou Law List	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

	HMIS	NFPA
Health	1	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

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## **16. OTHER INFORMATION**

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).