

VALVOLINE® GM MULTIPURPOSE
GREASE
VV615

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone	1-800-ASHLAND (1-800-274-5263)

Product name VALVOLINE® GM MULTIPURPOSE GREASE

Product code VV615

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

Skin contact

Eye contact

Unlikely to cause eye irritation or injury.

Skin contact

Unlikely to cause skin irritation or injury. Prolonged or repeated contact may dry and crack the skin.

Ingestion

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

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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)

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

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	64742-62-7	>=40-<50%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>=40-<50%
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>=20-<30%

4. FIRST AID MEASURES**Eyes**

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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.

Ingestion

Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim 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: No information available.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO2), Dry chemical, Foam

Hazardous combustion products

May form:, carbon dioxide and carbon monoxide, 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). 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.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

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For personal protection see section 8. Persons not wearing proper personal protective equipment should be excluded from area of spill.

Environmental precautions

Prevent product from entering drains. 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.

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 original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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

Distillates (petroleum), hydrotreated light naphthenic		64742-53-6
OSHA Z1	Permissible exposure limit	500 ppm
OSHA Z1	Permissible exposure limit	2,000 mg/m3
OSHA Z1A	time weighted average	400 ppm
OSHA Z1A	time weighted average	1,600 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	400 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,600 mg/m3

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ACGIH	time weighted average	5 mg/m3	Mist.
ACGIH	Short term exposure limit	10 mg/m3	Mist.
ACGIH NIC	time weighted average	0.2 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0			
OSHA Z1	Permissible exposure limit	500 ppm	
OSHA Z1	Permissible exposure limit	2,000 mg/m3	
OSHA Z1A	time weighted average	400 ppm	
OSHA Z1A	time weighted average	1,600 mg/m3	
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	400 ppm	
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,600 mg/m3	
ACGIH	time weighted average	5 mg/m3	Mist.
ACGIH	Short term exposure limit	10 mg/m3	Mist.
ACGIH NIC	time weighted average	0.2 mg/m3	Inhalable fraction.

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

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing covering arms and legs.
Wear resistant gloves such as:
Neoprene

Respiratory protection

Respiratory protection is not required under normal conditions of use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid
Form	gel
Colour	amber
Odour	No data
Boiling point/boiling range	371.10 °C
pH	No data
Flash point	232.00 °C
Evaporation rate	No data
Lower explosion limit/Upper explosion limit	No data
Vapour pressure	2.000 hPa Calculated Vapor Pressure
Vapour density	No data
Density	0.86 g/cm3 @ 60.1 °F / 15.6 °C
Solubility	negligible in water
Partition coefficient: n-octanol/water	No data
log Pow	no data available
Autoignition temperature	No data

10. STABILITY AND REACTIVITY

Stability

Stable

Conditions to avoid

None known.

Incompatible products

Avoid contact with:, Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

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No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	: no data available
Distillates (petroleum), hydrotreated light naphthenic	: LD 50 Rat: > 5 g/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic	: LD 50 Rat: > 5,000 mg/kg

Acute inhalation toxicity

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	: no data available
Distillates (petroleum), hydrotreated light naphthenic	: no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	: no data available

Acute dermal toxicity

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	: no data available
Distillates (petroleum), hydrotreated light naphthenic	: LD 50 Rabbit: > 2,001 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic	: LD 50 Rabbit: > 5,000 mg/kg

12. ECOLOGICAL INFORMATION

Biodegradability

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	: no data available
Distillates (petroleum), hydrotreated light naphthenic	: no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	: no data available

Bioaccumulation

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	: no data available
Distillates (petroleum), hydrotreated light naphthenic	: no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	: no data available

Ecotoxicity effects

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Toxicity to fish

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Toxicity to daphnia and other aquatic invertebrates.

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Toxicity to algae

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Toxicity to bacteria

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Biochemical Oxygen Demand (BOD)

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Chemical Oxygen Demand (COD)

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	:	no data available
Distillates (petroleum), hydrotreated light naphthenic	:	no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	:	no data available

Additional ecological information

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RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED : no data available
Distillates (petroleum), hydrotreated light naphthenic : no data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic : 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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MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

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TRANSPORT CANADA - ROAD

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***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.

15. REGULATORY INFORMATION

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SARA Hazard Classification

Acute Health Hazard

New Jersey RTK Label Information

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	64742-62-7
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0
LITHIUM, 12-HYDROXYOCTADECANOATE SEBACATE COMPLEX	68815-49-6
PROPRIETARY LUBRICANT ADDITIVE	

Pennsylvania RTK Label Information

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	64742-62-7
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0

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LITHIUM, 12-HYDROXYOCTADECANOATE SEBACATE COMPLEX 68815-49-6

Notification status

EU. EINECS	y (positive listing)
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	--	--

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).