



# SAFETY DATA SHEET

Valvoline™ Multi-Vehicle Moly-Fortified Grease

Version: 2.0

Revision Date: 11/05/2021

Print Date:  
03/16/2022

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Trade name : Valvoline™ Multi-Vehicle Moly-Fortified Grease  
Product code : VV632

<b>Details of the supplier of the safety data sheet</b> Valvoline LLC 100 Valvoline Way Lexington, KY 40509 United States of America (USA) 1-800-TEAMVAL (1-800-832-6825)  SDS@valvoline.com	<b>Emergency telephone number</b> +1-800-VALVOLINE (+1-800-825-8654)  <b>Regulatory Information Number</b> 1-800-TEAMVAL (1-800-832-6825)  <b>Product Information</b> 1-800-TEAMVAL (1-800-832-6825)
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a hazardous substance or mixture.

### GHS label elements

Not a hazardous substance or mixture.

### Other hazards which do not result in classification

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
PETROLEUM DISTILLATES	64742-54-7	Not a hazardous substance or mixture.	>= 30.00 - < 50.00
MOLYBDENUM COMPOUND	1317-33-5	Not a hazardous substance or mixture.	>= 1.00 - < 10.00



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### SECTION 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: No symptoms known or expected.
Notes to physician	: No hazards which require special first aid measures.  Treat symptomatically.

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### SECTION 5. FIREFIGHTING MEASURES

Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	: If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	: Wipe up with absorbent material (e.g. cloth, fleece).



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containment and cleaning up      Keep in suitable, closed containers for disposal.

## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PETROLEUM DISTILLATES	64742-54-7	TWA	5 mg/m <sup>3</sup>	CR OEL
		CMP (Mist)	5 mg/m <sup>3</sup> Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m <sup>3</sup> Mist	AR OEL
		TWA (Mist)	5 mg/m <sup>3</sup> Mist	PE OEL
		STEL (Mist)	10 mg/m <sup>3</sup> Mist	PE OEL
		L-8/40 (Mist)	5 mg/m <sup>3</sup> Mist	VE OEL
		LB (Mist)	10 mg/m <sup>3</sup> Mist	VE OEL
		CPT (Mist)	5 mg/m <sup>3</sup> Mist	PA OEL
		CCT (Mist)	10 mg/m <sup>3</sup> Mist	PA OEL
PETROLEUM DISTILLATES	64742-65-0	CMP (Mist)	5 mg/m <sup>3</sup> Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m <sup>3</sup> Mist	AR OEL
		TWA (Mist)	5 mg/m <sup>3</sup> Mist	PE OEL
		STEL (Mist)	10 mg/m <sup>3</sup>	PE OEL



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			Mist	
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA	5 mg/m3	CR OEL

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
  
- Eye protection : Safety glasses
  
- Skin and body protection : Protective suit
  
- Hygiene measures : General industrial hygiene practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : paste
  
- Colour : grey
  
- Odour : hydrocarbon-like
  
- Odour Threshold : No data available
  
- pH : No data available
  
- Melting point/freezing point : No data available
  
- Boiling point/boiling range : 338 °C
  
- Flash point : 260 °C
  
- Evaporation rate :  
No data available
  
- Flammability (solid, gas) : No data available



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Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	0.94 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	negligible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	> 315 °C
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm <sup>2</sup> /s ( 40 °C)
Oxidizing properties	:	No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	None known.



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No data available

Incompatible materials : Strong oxidizing agents

Not applicable

Hazardous decomposition products : No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.

### Product:

Acute oral toxicity : LD50 (Rat): 6,477 mg/kg  
Method: Acute toxicity estimate

Acute dermal toxicity : LD50 (Rabbit): 169,492 mg/kg  
Method: Acute toxicity estimate

### Components:

#### PETROLEUM DISTILLATES:

Acute oral toxicity : LD50 (Rat): > 15 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

#### MOLYBDENUM COMPOUND:

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

Acute inhalation toxicity : LC50 (Rat): > 2.82 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

### Skin corrosion/irritation

Not classified based on available information.

### Components:

#### PETROLEUM DISTILLATES:

Result: Slight, transient irritation

#### MOLYBDENUM COMPOUND:



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Result: **No skin irritation**

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:**

PETROLEUM DISTILLATES:

Result: **No eye irritation**

MOLYBDENUM COMPOUND:

Result: **No eye irritation**

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Components:**

PETROLEUM DISTILLATES:

Carcinogenicity - Assessment : **Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)**

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Product:**

No aspiration toxicity classification

**Components:**

PETROLEUM DISTILLATES:

**No aspiration toxicity classification**



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**Further information**

**Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 2.9999 %

**Components:**

PETROLEUM DISTILLATES:

Toxicity to fish	: LL50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EL50 (Aquatic invertebrates): > 10,000 mg/l Exposure time: 48 h
Toxicity to algae	: EL50 (Algae, algal mat (Algae)): > 100 mg/l Exposure time: 72 h
Toxicity to fish (Chronic toxicity)	: NOEC (Fish): 10 mg/l
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Aquatic invertebrates): 10 mg/l

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

**Persistence and degradability**

**Components:**

No data available





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**Bioaccumulative potential**

**Components:**

PETROLEUM DISTILLATES:

Partition coefficient: n-octanol/water : log Pow: **Expected > 7**

No data available

**Mobility in soil**

**Components:**

No data available

**Other adverse effects**

No data available

**Product:**

Additional ecological information : No data available

**Components:**

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**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.

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.

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**SECTION 15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**



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Decree 43/2015, Approving Regulation on Storage of Hazardous Substances  
NCh 2245:2015 Safety data sheet for chemical products - Content and order of sections  
NCh 2190:2019 Land transport of dangerous goods - Hazard identification marks  
NCh 382:2017 Dangerous Goods – Classification  
NCh 1411/4:2000 Safety measures - Part 4: Safety signs for identification of hazards of materials  
D.S. 148/03 Sanitary Regulation on hazardous wastes handling  
D.S. 298/94 Regulation on transport of hazardous cargo on streets and roads  
D.S. 594/99 Regulation on sanitary and environmental basic conditions at work places  
Waste Disposal (Chemical Waste) (General) Regulation

Decree 1358 - Establishment of rules governing the control measures of precursors and essential chemicals. : Not applicable

Organic Law on Integral Prevention of Social and Economic Phenomenon of Drugs and of Regulation and Use Control of Listed Substances subject to Monitoring : Not applicable

Drug Law - Controlled Chemicals : Not applicable

Control Act of precursor chemicals and controlled products. : Not applicable

List of Precursors and Controlled Chemicals. : Not applicable

Decree 391-2002 Regulation for Precursors and Chemicals. : Not applicable

Law on Narcotics, Psychotropic Substances, Drugs of Unauthorized Use, Money-Laundering and Related Activities. : Not applicable

Regulations controlling the importation, manufacture, sale, distribution, transport and use of substances that may be used for the processing of addictive drugs. : Not applicable

List of Medicines and Controlled Substances - Precursors and Chemical Substances Frequently Used for Illicit Production of Narcotics and Psychotropic Substances Subject to Control. : Not applicable

### Other international regulations

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

TCSI : Not in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

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



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DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: Not 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
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
TECI	: Not in compliance with the inventory

### Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

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## SECTION 16. OTHER INFORMATION

### Further information

Internal information : R0076416

### Full text of H-Statements

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 SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-VALVOLINE).

Sources of key data used to compile the Safety Data Sheet  
Valvoline internal data including own and sponsored test reports  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.



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List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

## CEATOX

Assistance Center of the Institute of Toxicology

Children's Hospital Clinic, Faculty of Medicine

University of São Paulo.

BR OEL : Occupational Exposure Limit (Brazil)

UY OEL : Occupational Exposure Limit (Uruguay)

PY OEL : Occupational Exposure Limit (Paraguay)