

VALVOLINE CRIMSON™ #2 GREASE  
VV70124

## 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	1-800-ASHLAND (1-800-274-5263)
Product name	VALVOLINE CRIMSON™ #2 GREASE	
Product code	VV70124	
Product Use Description	No data	

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance: liquid, red

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

### Potential Health Effects

#### **Exposure routes**

Skin contact, Inhalation, Eye Contact, Ingestion

#### **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.

#### **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.

**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**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHT	64742-52-5	>=80-<90%
LITHIUM SOAP THICKNER		>=20-<30%
ZINC COMPOUNDS		>=1.5-<5%

**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, FoamDry chemical, Foam, Carbon dioxide (CO2)

#### **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.

### **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions**

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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. Thoroughly sweep area of spill to clean up any residual material.

**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 a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**DISTILLATES (PETROLEUM), HYDROTREATED 64742-52-5  
HEAVY NAPHT

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

**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

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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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Form</b>	paste
<b>Colour</b>	red
<b>Odour</b>	hydrocarbon-like
<b>Boiling point/boiling range</b>	700 °F / 371 °C
<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>	not applicable
<b>Ignition temperature</b>	no data available
<b>Evaporation rate</b>	(<)0.01
<b>Lower explosion limit/Upper explosion limit</b>	no data available
<b>Particle size</b>	no data available
<b>Vapour pressure</b>	(<)0.100 mmHg @ 68 °F / 20 °C
<b>Relative vapour density</b>	no data available
<b>Density</b>	0.9 g/cm3 @ 60.1 °F / 15.6 °C

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<b>Bulk density</b>	7.5 lb/gal @ 60.00 °F / 15.56 °C
<b>Water solubility</b>	No data
<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

### 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

No data

## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

DISTILLATES (PETROLEUM), HYDROTREATED : LD 50 Rat: > 5 g/kg

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HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available

ZINC COMPOUNDS : no data available

**Acute inhalation toxicity**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available

ZINC COMPOUNDS : no data available

**Acute dermal toxicity**

DISTILLATES (PETROLEUM), HYDROTREATED : LD 50 Rabbit: > 5 g/kg  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available

ZINC COMPOUNDS : no data available

<b>12. ECOLOGICAL INFORMATION</b>
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**Biodegradability**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available

ZINC COMPOUNDS : no data available

**Bioaccumulation**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available

ZINC COMPOUNDS : no data available

**Ecotoxicity effects**

**Toxicity to fish**

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DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available  
ZINC COMPOUNDS : no data available

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

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available  
ZINC COMPOUNDS : no data available

**Toxicity to algae**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available  
ZINC COMPOUNDS : no data available

**Toxicity to bacteria**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available  
ZINC COMPOUNDS : no data available

**Biochemical Oxygen Demand (BOD)**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available  
ZINC COMPOUNDS : no data available

**Chemical Oxygen Demand (COD)**

DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT  
LITHIUM SOAP THICKNER : no data available



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ZINC COMPOUNDS : no data available

**Additional ecological information**DISTILLATES (PETROLEUM), HYDROTREATED : no data available  
HEAVY NAPHT

LITHIUM SOAP THICKNER : 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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**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

VALVOLINE CRIMSON™ #2 GREASE  
VV70124**TRANSPORT CANADA - RAIL**

Not dangerous goods

**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 State of California to cause cancer, birth defects, or any other reproductive harm.

**SARA Hazard Classification**

No SARA Hazards

**SARA 313 Component(s)**

ZINC COMPOUNDS

2.99 %

**New Jersey RTK Label Information**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHT

64742-52-5

LITHIUM SOAP THICKNER

ZINC COMPOUNDS

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VV70124**Pennsylvania RTK Label Information**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHT  
LITHIUM SOAP THICKNER

64742-52-5

**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)
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	n (Negative listing)
China. Inventory of Existing Chemical Substances	n (Negative 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).