

**SAFETY DATA SHEET**

Revision Date: 07/31/2016

Print Date: 8/24/2016

MSDS Number: R0172170

VAL PLEX GREASE

Version: 3.5

3087

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Valvoline LLC	Regulatory Information Number	1-800-TEAMVAL
3499 Blazer Parkway	Telephone	1-800-TEAMVAL
Lexington, KY 40509	Emergency telephone number	1-800-825-8654

Product name VAL PLEX GREASE

Product code 3087

**2. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance: liquid, gel, red

**CAUTION!** PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.**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 slight skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

**Ingestion**

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

**Inhalation**

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**

No data.

**Symptoms**


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No symptoms known or expected.

**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. / Trade Secret No.	Concentration
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	>=70-<80%
ASPHALT	8052-42-4	>=20-<30%

**4. FIRST AID MEASURES**
**General Information**

No hazards which require special first aid measures.

**Eyes**

Remove contact lenses. Protect unharmed eye.

**Skin**

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

**Ingestion**

Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Inhalation**

If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

**Notes to physician**

**Hazards:** No information available.


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**Treatment:** No hazards which require special first aid measures.

**5. FIREFIGHTING MEASURES**
**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Water spray, Foam, Carbon dioxide (CO2), Dry chemical

**Hazardous combustion products**

carbon dioxide and carbon monoxide, sulfur oxides, Hydrocarbons, Aldehydes, Ketones, Nitrogen oxides (NOx), Sulphur oxides

**Precautions for fire-fighting**

Do not allow run-off from fire fighting to enter drains or water courses. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**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**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**Other information**

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

**7. HANDLING AND STORAGE**
**Handling**

Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Normal measures for preventive fire protection.

**Storage**

Electrical installations / working materials must comply with the technological safety standards. No decomposition if stored and applied as directed.


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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Exposure Guidelines**
**DISTILLATES (PETROLEUM), SOLVENT-DEWAXED 64742-65-0  
HEAVY PARAFFINIC**

OEL (QUE)	time weighted average	5 mg/m3	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m3	Mist.
CAD AB OEL	time weighted average	5 mg/m3	Mist.
CAD AB OEL	Short term exposure limit	10 mg/m3	Mist.
CAD BC OEL	time weighted average	0.2 mg/m3	Mist.
CAD ON OEL	time weighted average	5 mg/m3	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m3	Mist.

**ASPHALT 8052-42-4**

CAD AB OEL	time weighted average	5 mg/m3	Fume.
CAD BC OEL	time weighted average	0.5 mg/m3	Aerosol, inhalable
OEL (QUE)	time weighted average	5 mg/m3	Fume.
CAD MB OEL	time weighted average	0.5 mg/m3	Inhalable fraction.
CAD ON OEL	time weighted average	0.5 mg/m3	Inhalable fraction.
CAD SK OEL	8 hour average	0.5 mg/m3	Inhalable fraction.
CAD SK OEL	15 minute average	1.5 mg/m3	Inhalable fraction.
	contamination limit:		

**DISTILLATES (PETROLEUM), HYDROTREATED 64742-52-5  
HEAVY NAPHTA**

CAD AB OEL	time weighted average	5 mg/m3	Mist.
CAD AB OEL	Short term exposure limit	10 mg/m3	Mist.
OEL (QUE)	time weighted average	5 mg/m3	Mist.
OEL (QUE)	Short term exposure limit	10 mg/m3	Mist.
CAD ON OEL	time weighted average	5 mg/m3	Mist.
CAD ON OEL	Short term exposure limit	10 mg/m3	Mist.

**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.

General industrial hygiene practice.

**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.


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**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 as appropriate:

Safety shoes

Wear resistant gloves (consult your safety equipment supplier).

**Respiratory protection**

No personal respiratory protective equipment normally required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	liquid
Form	gel
Colour	red
Odour	No data available
Boiling point/boiling range	640 °F / 338 °C
pH	No data available
Flash point	471 °F / 244 °C
Ignition temperature	> 315.00 °C
Evaporation rate	No data available
Vapour pressure	< 0.010 mmHg @ 68 °F / 20 °C
Density	0.90 g/cm <sup>3</sup> @ 68 °F / 20 °C
Water solubility	negligible
Solubility(ies)	No data available
Auto-ignition temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	> 20.5 mm <sup>2</sup> /s @ 40 °C
Decomposition temperature	No data available

**10. STABILITY AND REACTIVITY**
**Stability**

Stable under recommended storage conditions.

**Conditions to avoid**

None known.


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**Incompatible products**

Strong oxidizing agents

**Hazardous decomposition products**

carbon dioxide and carbon monoxide, Hydrocarbons, Sulphur oxides

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition**

No data available

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation  
Skin contact  
Eye Contact  
Ingestion

**Product**

Acute oral toxicity : Acute toxicity estimateRat  
3,019 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : Acute toxicity estimate Rabbit: 169,492 mg/kg

Skin corrosion/irritation : Result: No skin irritation  
Result: Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation : Result: No eye irritation  
Unlikely to cause eye irritation or injury.

Respiratory or skin sensitisation : No data available

Aspiration toxicity : No aspiration toxicity classification

Further information : No data available

**Components:**


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**DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:**

Acute oral toxicity : LD 50 Rat: &gt; 5,000 mg/kg

Acute dermal toxicity : LD 50 Rabbit: &gt; 5,000 mg/kg

Aspiration toxicity : May be fatal if swallowed and enters airways.

**12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Product:**

No data available

**Components:**

No data available

**Persistence and degradability**
**Product:**

No data available

**Components:**

No data available

**Bioaccumulative potential**
**Product:**
Partition coefficient: n-  
octanol/water : No data available
**Components:**

No data available

**Mobility in soil**
**Product:**

No data available

**Components:**

No data available



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**Other adverse effects**

**Product:**

Additional ecological information : No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.  
Empty remaining contents.

**14. TRANSPORT INFORMATION**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

**MX\_DG**

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

**TDG\_INWT\_C**

Not dangerous goods

**TDG\_RAIL\_C**

Not dangerous goods

**TDG\_ROAD\_C**

Not dangerous goods



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

Not dangerous goods

**CFR\_RAIL\_C**

Not dangerous goods

**U.S. DOT - ROAD**

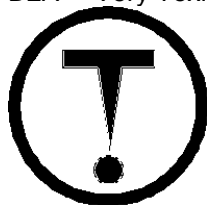
Not dangerous goods

**\*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****WHMIS Classification**

D2A Very Toxic Material Causing Other Toxic Effects



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Canadian National Pollutant Release Inventory (NPRI)** Canadian National Pollutant Release Inventory (NPRI):  
No component is listed on NPRI.

**Notification status**

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	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

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	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 SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-825-8654).

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

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TWA : Time-weighted average  
vPvB : Very Persistent and Very Bioaccumulative  
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act  
DOT : Department of Transportation  
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act  
HMIRC : Hazardous Materials Information Review Commission  
HMIS : Hazardous Materials Identification System  
NFPA : National Fire Protection Association  
NIOSH : National Institute for Occupational Safety and Health  
OSHA : Occupational Safety and Health Administration  
PMRA : Health Canada Pest Management Regulatory Agency  
RTK : Right to Know  
WHMIS : Workplace Hazardous Materials Information System