

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : V LUBE H

1. Product and Company Identification

Product name: V Lube H
Synonyms: None
Item Numbers: 000-006-818, 424-051-001, 419-699-001, 419-698-001

European Contact Details

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2. Hazards Identification

EMERGENCY OVERVIEW

Non-hazardous in bulk liquid form at low to moderate temperatures. Prolonged exposure to skin may possibly cause irritation or dermatitis. Inhalation of oil mists or vapours from hot oil may cause chemical pneumonitis. Carbon oxides and sulphur oxides produced on combustion.

For short and long term exposure effects see Section 11 Toxicological data.

Eye Effects: Short-term exposure may cause slight irritation.

Skin Effects: Short-term exposure may cause slight irritation. Prolonged or repeated contact may cause chapping, cracking or dermatitis.

Ingestion/Oral Effects: Low toxicity on ingestion. May produce a laxative effect. Ingestion may lead to aspiration of the liquid product, especially if vomiting occurs. This may result in pneumonitis.

Inhalation Effects: The product is not expected to be inhaled in any appreciable quantities under normal ambient conditions. Elevated temperatures or mechanical action may form vapours, mists or fumes, inhalation of which may cause irritation of the respiratory tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Repeated contact may aggravate pre-existing skin conditions.

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NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	1	Health	1	0 = No Hazard
Flammability	1	Flammability	1	1 = Slight Hazard
Instability	0	Reactivity	0	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

3. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Severely hydrotreated paraffinic oil (C23-C66) and additives	100	72623-84-8 72623-86-0 72623-87-1 72623-85-9	Not applicable	Not applicable

*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

4. First Aid Measures

- Eyes:** Flush eyes with large amounts of water until irritation subsides, keeping eyelids open. Seek medical attention if irritation persists.
- Skin:** Remove contaminated clothing, and launder before reuse. Gently and thoroughly wash affected area of skin with running water and non-abrasive soap. Seek medical attention if irritation persists.
- Ingestion/Oral:** Wash out mouth with water. If swallowed, do not induce vomiting. Keep at rest. Get prompt medical attention.
- Inhalation:** Use approved respiratory protection and remove the affected person to a safe area as soon as possible. Administer artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Keep at rest. Call for prompt medical attention.
- Other Information:** Safely dispose of heavily contaminated clothing which cannot be cleaned.

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5. Fire Fighting Measures

Extinguishing Media: Use water spray to cool surfaces exposed to fire. Extinguish with alcohol resistant foam, carbon dioxide, water fog or dry chemical. Avoid spraying water directly into storage containers due to danger of boil over.

Fire and Explosion Hazard: Avoid spraying water directly into storage containers due to danger of boilover. Containers may explode if exposed to fire. See also Section 4 "First Aid measures" and Section 10 "Stability and Reactivity".

Special Protective Equipment for Fire Fighters: Fire fighters should wear respiratory and eye protection and full turnout gear.

For Flammability Properties - see Section 9

6. Accidental Release Measures

Personal precautions:

Evacuate non-essential staff, or those not equipped with individual protection apparatus. Turn leaking containers leak-side up to prevent the escape of liquid. Remove/extinguish sources of ignition. Avoid inhalation and contact with skin and eyes.

Environmental precautions:

Stop the leak if it is safe/possible to do so. Use dykes to prevent spreading. Avoid contaminating sewers, streams, rivers and other water courses with spilled product. Notify the appropriate authorities if significant contamination occurs.

Clean-up procedures:

Use suitable inert absorbent materials to absorb spilled product. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Dispose of collected product safely: see Section 13 "Disposal Considerations".

7. Handling and Storage

Handling: Avoid the formation or spread of mists in the air. Avoid inhalation of mists. Avoid contact with skin and eyes. Prevent small spills and leakage to avoid slip hazard. DO NOT handle near an open flame, sources of heat or sources of ignition.

Storage: Store in tightly closed containers in cool, dry and well-ventilated areas. Electrically earth (ground) all equipment containing the material. Must only be kept in original packaging. Store away from heat, sources of ignition, and incompatible materials: see Section 10 "Stability and Reactivity".

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8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	ACGIH - TLV -	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Severely hydrotreated paraffinic oil	5 mg/m ³ - 8 hr TWA * 10 mg/m ³ - 15 min STEL (as oil mist, mineral)	5 mg/m ³ - 8 H TWA (as oil mist, mineral)	5 mg/m ³ - 8 hr TWA * 10 mg/m ³ - 15 min STEL (as oil mist, mineral)

Personal Protection:

Engineering Measures:	Where vapours or mists may be present, use mechanical ventilation to keep exposure to airborne contaminants below the recommended exposure limits. Ensure that eye wash stations and emergency showers are close to working areas.
Respiratory Protection:	Special ventilation is not necessary for normal applications. Where vapour/mist concentrations in air may exceed the exposure limits (and where engineering or other means of exposure reduction are not adequate) use an approved respirator.
Hand/Skin Protection:	For casual contact PVC gloves are suitable. For direct contact of more than 2 hours, Viton [®] or Nitrile gloves are recommended. Gloves should be replaced immediately if signs of degradation are observed. Long sleeved clothing is recommended to minimise skin contact.
Eye/Face Protection:	Wear chemical goggles/glasses or face shield where splashing may occur.
Hygiene Measures:	Practice good hygiene. Wash hands after use and prior to consuming food and drink.
Other/General Protection:	Wear appropriate clothing with long-sleeves and full-length trousers to prevent skin contact. Wear appropriate protective footwear.

9. Physical and Chemical Properties

Appearance and Odour	Pale straw yellow viscous liquid, hydrocarbon odour	Boiling point	316 / 600	°C/°F
pH (as supplied)	No data available	Freezing Point	Not applicable	°C/°F
Solubility in Water	Insoluble	Auto Ignition	235 / 455	°C/°F
Volatile Content by Volume	No data available	Flash Point	148 / 298	°C/°F
Specific Gravity	0.86 kg/l @ 15 °C	Viscosity	93 cSt (@ 25 °C)	
Vapour Pressure (mbar)	3 x 10 ⁻² @ 20 °C	Vapour Pressure (Torr)	2.25 x 10 ⁻³ @ 68 °F	

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10. Stability and Reactivity

Stability:	Stable under normal working conditions.
Material/Conditions to Avoid:	Strong oxidising agents, reducing agents, acids and bases. Excessive heat and formation of oil mist.
Hazardous Decomposition:	May release oxides of carbon and sulphur, smoke and irritating vapours when heated to decomposition temperatures.
Hazardous Polymerisation:	Will not occur.

11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 2 Hazards Identification.

Animal data:

LD50 value:	Acute oral toxicity : > 5000 mg/kg (rat)
LC50 value:	No data available.

Carcinogenicity:

The product does not contain any chemicals that are listed as carcinogens.

12. Ecological Information

No information available.

13. Disposal Considerations

Disposal operations:

Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with EC, national and local regulations. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

Disposal of packaging:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Ensure compliance with local regulations.
DO NOT pressurise, cut, heat or weld containers. Empty product containers may contain product residue.
DO NOT reuse empty containers without commercial cleaning or reconditioning.
Note: According to European Waste Catalogue, Waste Codes are not product specific, but application specific. The user must be aware that the conditions of use may affect the waste classification after use. Please refer to the List of Wastes (England) Regulations 2005 (as amended) for waste nomenclature.

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14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Hazard Class	Not applicable	Not applicable	Not applicable
Identification Number	Not applicable	Not applicable	Not applicable
Shipping Label	Not applicable	Not applicable	Not applicable

15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with EU Regulation No 1272/2008 (as amended) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No

Risk Phrases : Not applicable

Safety Phrases : Not applicable

Symbols : None

United States Regulatory Information

This material is on the Toxic Substances Control Act Inventory (TSCA-U.S.).

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemical known to the State of California to cause cancer or reproductive toxicity.

Canadian Regulatory Information

WHMIS Classification: D2B

All CAS numbers listed in Section 3 are in the Canadian DSL.

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16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Sources of information for this data sheet:

- Multisol Limited "V Lube H" Material Safety Data Sheet. Revision date : 24th February 2000, Revision No. : 01.

Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; **ANSI** - American National Standards Institute; **Canadian TDG** - Canadian Transportation of Dangerous Goods; **CAS** - Chemical Abstracts Service; **Chemtrec** - Chemical Transportation Emergency Center (US); **DSL** - Domestic Substances List; **EH40 (UK)** - HSE Guidance Note EH40 Occupational exposure limits; **EPCRA** - Emergency Planning and Community Right-to-Know Act; **HMIS** - Hazardous Material Information Service; **LC** - Lethal Concentration; **LD** - Lethal Dose; **NFPA** - National Fire Protection Association; **OSHA** - Occupational Safety and Health Administration, US department of Labour; **PEL** - Permissible exposure limit; **SARA (Title III)** - Superfund Amendments and Reauthorization Act; **SARA 313** - Superfund Amendments and Reauthorization Act, Section 313; **STEL** - Short Term Exposure Limit; **TLV** - Threshold Limit Value; **TSCA** - Toxic Substances Control Act Public Law 94-469; **TWA** - Time-Weighted Average; **US DOT** - US Department of Transportation; **WHMIS** - Workplace Hazardous Materials Information System.

Revisions:

january 2011 - Data Sheet updated to reflect the latest regulatory and supplier safety information.

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