



SAFETY DATA SHEET

Issue Date: 2/21/2022

Revision Date: 3/10/2023

Version 3

1. IDENTIFICATION

Product identifier

Product Name V Lube

Other means of identification

SDS # VDLB-003

Recommended use of the chemical and restrictions on use

Recommended Use Oilfield Lubricant

Details of the supplier of the safety data sheet

Vendetta Chemical Solutions, LLC
4000 South CR 1140
Midland Texas, 79706
Contact@VendettaChems.com

Emergency telephone number

Company Phone Number 1-432-237-1451

Emergency Telephone 1-855-596-6516

2. HAZARDS IDENTIFICATION

Appearance: Dark Brown Liquid

Physical state: Liquid

Odor: Characteristic

Emergency Overview: WARNING: Causes serious eye irritation. Causes skin irritation. Keep out of reach of children. Read label before use.

Skin: Causes skin irritation.

Eyes: Causes serious eye irritation.

Inhalation: Avoid breathing vapors or mist. Prolonged or excessive inhalation may cause respiratory tract irritation of the mucous membranes.

Ingestion: Not considered a potential route of exposure. Ingestion can cause irritation of the mouth, throat and esophagus.

Chronic exposure: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible person. No known carcinogenic effects.

PICTOGRAMS



Precautionary Statements - Response

Read label before use.

Keep away from children.

Wash hands thoroughly after handling.

Wear protective gloves, eye and face protection.

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %
Trade Secret	Proprietary	>60%
Petroleum Distillates, Hydrotreated Light	64742-47-8	<40%

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AIDE MEASURES

Description of first aid measures

Eye Contact	Possible eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
Skin Contact	Possible skin irritation. Flush immediately with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse.
Inhalation	Possible nasal irritation. Remove exposed person from source of exposure to fresh air.
Ingestion	Drink copious amounts of water. Seek medical attention. Do not induce vomiting unless directed by medical personnel.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.

Fire Fighting Procedures

Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self contained breathing apparatus with full mask and full protective clothing.

Unusual Fire and Explosion Hazards

Not considered to be a fire hazard.

Combustion Products

Irritating substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon



6. ACCIDENTAL RELEASE MEASURES

Use suitable safety equipment including nitrile gloves and safety glasses. Stop leak if possible to do so without risk.

Small spills clean up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills contain with dike ahead of spill for later disposal. (See Section 8) Flush with water to clean contaminated area. Do not flush to sewer or waterways. Prevent release to the environment if possible.

7. HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Do not breathe vapor or mists. Keep container closed. Use with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking or smoking. Remove contaminated clothing and clean before re-use.

Storage

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment to reduce possibility of static spark initiated fire. Store between 0 C (32 F) - 37.7 C (100 F). Best if stored out of direct sunlight. Keep container closed and upright when not in use. Protect container against physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component: dipentene - LD50 > 5 g/kg oral (rat)

Engineering Controls

Local exhaust ventilation may be necessary to control ventilation for confined spaces. Use explosion proof ventilation equipment.

Personal Protective Equipment (PPE)

Eye Protection	Wear chemical safety goggles (glasses). Have eye wash stations available where eye contact can occur.
Skin Protection	Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including apron, face shield or boots.
Respiratory Protection	If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. For unknown concentrations and for oxygen deficient atmospheres use a NIOSH approved air supplied respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Dark brown Liquid	Odor	Characteristic
Color	Dark Brown	Odor Threshold	Not determined



<u>Property</u>	<u>Values</u>
pH	6.0-8.0
Melting point / freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	>93°C / (2000°F)
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Not determined
Flammability Limit in Air	
Upper flammability or explosive limits	Not determined
Lower flammability or explosive limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Specific Gravity (g/mL @ 25C)	1.04-1.1
Water Solubility	Dispersible/Emulsion
% Volatile	Not determined
Molecular Weight	Mixture
Viscosity (cP)	1000
Pour Point	-20C (-4F)
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Chemical stability.

Stable

Possibility of hazardous reactions

Hazardous polymerization will not occur

Conditions to Avoid

None known

Incompatible materials

Strong oxidizing agents could cause a reaction

Hazardous decomposition products

The following may form during or at extremely high temperatures: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure

Eye and nasal irritation with itching of the skin.

Acute Toxicity

	None Known
Eyes	Direct contact may cause temporary redness and discomfort
Skin	No significant irritation expected from a single short-term exposure
Inhalation	No significant irritation expected from a single short-term exposure
Ingestion	Low ingestion hazard in normal use.



Chronic Toxicity	None Known
Eyes	None Known
Skin	None Known
Inhalation	None Known
Ingestion	Repeated ingestion or swallowing large amounts may cause diarrhea or vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Effects: No adverse effects on aquatic organisms

Chronic Effects: No adverse effects on aquatic organisms

Bioaccumulation is not expected to be significant. This product is readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other state and local regulations. Dispose in accordance with local, provincial and federal regulations at a licensed hazardous waste disposal facility. It is the responsibility of the end user to determine if the material meets the criteria of hazardous waste at the time of disposal. Empty containers that have not been rinsed and purged, contain residual material and must be disposed of or recycled in accordance with local regulations.

14. TRANSPORT INFORMATION

United States Department of Transportation (U.S. DOT)

Not regulated as a hazardous material or dangerous goods for transportation.

International Maritime Dangerous Goods (IMO / IMDG)

Not regulated as a hazardous material or dangerous goods for transportation.

International Air Transport Association (IATA)

Not regulated as a hazardous material or dangerous goods for transportation.

Transportation of Dangerous Goods (TDG)

Not regulated as a hazardous material or dangerous goods for transportation.

Agreement on Dangerous Goods by Road (ADR)

Not regulated as a hazardous material or dangerous goods for transportation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

Clean Air Act (CCA)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)



EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355)	None
Section 304 CERCLA Hazardous Substances (40 CFR 302)	None
Section 311/312 Hazard Class (40 CFR 370)	None
Acute: No Chronic: No Fire: No Pressure: No	Reactive: No
Section 313 Toxic Chemicals (40 CFR 372)	None

U.S. State Regulations**California**

This product does not contain chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65) as being known to cause cancer, birth defects or other reproductive harm.

Massachusetts / New Jersey / Pennsylvania

No ingredient regulated by MA / NJ / PA Right-to-Know laws present.

International Regulations**Canadian Environmental Protection Act**

All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS)

Skin and eye irritant

Chemical Inventories

TSCA	All ingredients are on the inventory
DSL	All ingredients are on the inventory
EINECES	All ingredients are on or exempted from the inventory
AICS	All ingredients are on the inventory
IECSC	All ingredients are on the inventory
KECL	All ingredients are on the inventory
NZIoC	All ingredients are on the inventory
PICCS	All ingredients are on the inventory

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards	Flammability	Reactivity	Other
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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials



Abbreviations and acronyms

ACGIH	American Conference of Government Industrial Hygienists
AICS	Australia, Inventory of Chemical Substances
DSL	Canada, Domestic Substances List
NDSL	Canada, Non-Domestic Substances List
CNS	Central Nervous System
CAS	Chemical Abstract Service
EC50	Effective Concentration
EC50	Effective Concentration 50%
EGEST	EOSCA Generic Exposure Scenario Tool
EOSCA	European Oilfield Specialty Chemicals Association
EINECS	European Inventory of Existing Chemical Substances
MAK	Germany Maximum Concentration Values
GHS	Globally Harmonized System
>=	Greater Than or Equal To
IC50	Inhibition Concentration 50%
IARC	International Agency for Research on Cancer
IECSC	Inventory of Existing Chemical Substances in China
ENCS	Japan, Inventory of Existing and New Chemical Substances
KECI	Korea, Existing Chemical Inventory
<=	Less Than or Equal To
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
LOAEL	Lowest Observed Adverse Effect Level
NFPA	National Fire Protection Agency
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
NOAEL	No Observable Adverse Effect Level
NOEC	No Observed Effect Concentration
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limit
PICCS	Philippines Inventory of Commercial Chemical Substances
PRNT	Presumed Not Toxic
RCRA	Resource Conservation Recovery Act
STEL	Short-term Exposure Limit
SARA	Superfund Amendments and Reauthorization Act.
TLV	Threshold Limit Value
TWA	Time Weighted Average
TSCA	Toxic Substance Control Act
UVCB	Unknown or Variable Composition, Complex Reaction Products, and
WHMIS	Workplace Hazardous Materials Information System
N/A	Not Available

End of Safety Data Sheet

