American Oil

MSDS # 50007JG
Revised 07/25/05

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

REVISED 08/14/08

Vitalife® BIO-LUBE (Aerosol)
Wire Rope Lubricant
Product Code: 50007JG

Manufacturer:
American Oil & Supply International LL
4445 N A1A, Suite 247
Vero Beach, FL 32963

Emergency Telephone Numbers
1-732-389-5514 M-F 9am—5PM
1-732-539-7717 After Hours

Supplier:
Crosby Group Inc.
PO Box 3128
Tulsa, OK 74101

Information: 918/834-4611
24 Hr Emergency Telephone:
Domestic: 1-800-451-8346
Intl: 00-1-703-527-3887

Section 2: Composition, Information on Ingredients

INGREDIENT	CAS NUMBER	OSHA TWA	NIOSH TWA	ACGIH TWA	IDHL	% WT
Liquified Petroleum Gas	68476-85-7	1000ppm	1000 ppm	1000 ppm	2000 ppm	20-30
Rapeseed Oil	120962-03-0	N/E	N/E	N/W	N/E	

Section 3: Hazards Identification

Emergency Overview

CONTENTEN FLAMMABLE AND UNDER PRESSURE. STORE BELOW 120°F, OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCENERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMVUL. INTENTIONAL MISUSE BY DELIVERABLY CONCENTRAING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL

Potential Health Effects:

Inhalation: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dissiness, staggering gait or confusion

Eye Contact: liquid or vapors maya cuase redness, burning, tearing, swelling, and/or pain.

Skin Contact: Frequent or prolonged contact can result in defatting and drying or the skin, which may result in skin irritation and dermatitis.

Ingestion: Due to being an aerosol, the product does not lend itselt to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps.

Chronic (Cancer) Information: Antimony Oxide is listed with IARC as Class 2B (Possible Human Carcinogen) and with ACGIH as Class A2 (Suspected Human Carcinogen). It is not llisted with OSHA or NPT as being carcinogenic. None of the other ingredients in this product are listed with OSHA, ACGIH, IARC, OR NTP as being carcinogenic.

Medical Conditions Aggravated: Skin contact may aggravate an exising dermatitis. Other conditions unknown.

Primary Hazards: Sinsory Irritation.

Section 4: First Aid Measures

- **Eye Contact**: Immediately flush with clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.
- **Skin:** Remove with soap and water. Consult a physician if irritation continues.
- **Ingestion: Unlikely due to being in aerosol form. Should actual ingestion occure, do not induce vomiting! Dring a glass or water or milk to dilute. Contact a physician. Never give anything by mouth to an uncounscious person.**
- **Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is dissucult, give oxygen. Seek medical attention if symptoms persist or if unconscious.**

Section 5: Fire Fighting Measures

Flashpoint: 95° F (35°C) Closed Cup flammable Limits: Lower (LEL): 1.8% Upper (UEL): 9.5%

Extinguishing Media: For warehouse and storage conditions, use NFPA Class B extinguishers (CO_2, dry chemical, or universal aqueous film forming foam)>

Specia$_l$ Fire Fighting Procedures: Use water spray to cool fire exposed aerosol containers, for contents can repture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion may be created.

Section 6: Accidental Release Measures

Containment Procedure: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.

Spill Cleanup: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safty containers for proper disposal.

Special Instructions: Aerosol products represent a limited hazard and will not spill or leak unless reptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

Reporting Requirements: Spills due to the rupture of a single aerosol can are generally below and regulatory reporting requirements. However, if larger spill somehow result, the reporting requirements of the EPA and other local, state and federal agencies should be observed.

Section 7: Handling and Storage

Handling: Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. **Storage**: Storage of individual cans should be in an area below 120°F and away from heat sources. Assure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

Section 8: Exposure Controls, Personal Protection

Eye Protection: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with the material could occur, chemical splash proof goggles are recommended.

Skin Protection: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

Engineering Controls: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

Section 9: Physical and Chemical Properties

Boiling Point:	Propellant <0°F	Freezing Point	Not established
Specific Gravity (H_2O=1)	Below 1.0	Vapor Pressure	Not established
Vapor Density (Air=1)	Above 1.0	Water Solubility	Negligible
Percent Volative	93.0% Wt Max	Evaporation Rate	Not established
Appearance	Clear liquid	Odor	Minimal

Section 10: Stability and Reactivity

Stability:	Stable	Incompatabilities:	Strong oxidizing materials
Hazard polymerization	Will not occur	Decomposition products	Oxides of carbon
Conditions to avoid:	Heat, sparks, flame, red hot metal		

Section 11: Toxicological Information

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Liquified Petroleum Gas	No Data	No Data	No Data
Botanical Base Fluids	No Data	No Data	No Data

Section 12: Ecological Information

No data is available on the adverse effects of this material on the environment.

Section 13: Disposal Information

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)) and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) they must be managed under app applicable RCRA and state regulations.

Section 14: Transport Information

NMFC Description: Oils other than Petroleum, Lubricating, NOI, Item 145000 Sub 2, Class 65
DOT Hazardous Materials Description: Consumer Commodity, ORM-D
UN and ICAO/IATA Dangerous Goods Description: Consumer Commodity, 9, ID8000
IMDG Dangerous Goods Description: Aerosol, 2, UN1950, Limited Quantity EmS No. 2-13 MFAG No. 620
(Limited quantity provisions apply as shipped by supplier and may not apply if repacked for subsequent re-shipment)

Section 15: Regulatory Information

United States – Federal

Ingredient	CAS No.	TSCA	RCRA	CERCLA	SARA 313	CAA	CWA
Liquified Petroleum Gas	**68476-85-7**	**	-	-	-	-	-
Hydrotreated Heavy Naphthenic Distillate	**64742-52-5**	**	-	-	-	-	-

United States – States

Ingredient	CA	FL	MA	PA	MN	NJ	NY	WA
Liquefied Petroleum Gas	-	-	**2,4**	-	-	-	-	-
Hydrotreated Heavy Naphthenic Distillate	-	-	-	-	-	-	-	-

Section 16: Other Infromation

National Fire Protection Association/Hazardous Materials Identification System Rating

	Health	Fire	Reactivity	Special
NFPA	1	3	0	-
HMIS	1	3	0	B

- **The information herein is presented in good faith and believed to be accurate as of the revision date shown above. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.**