






NOT YOUR AVERAGE CHAIN AND CABLE LUBRICANT.



Crosby Vitalife® is a thin penetrating oil formulated *specifically* for “top of the line” treatment and care of wire ropes. **Vitalife®** works uniquely to protect wire ropes from rust, corrosion, moisture and wear & tear. Ultimately, **Crosby Vitalife®** extends and maximizes the life of wire ropes in service, and has an exclusive skill set unique to its formulation, which is second-to-none.



UPON APPLICATION, **CROSBY VITALIFE®** ...

-  Adheres completely to wire rope, with minimal to no drippage.
-  Penetrates into the wire ropes' core, actively seeking metal to lubricate.
-  Draws out & cleans dirt, grime and corrosive build-up from both the **outside and inside** parts of wire rope, allowing for easy visual inspection.
-  Coats each individual strand with a “dry to the touch,” micro protective & water displacing barrier keeping ropes free and clear of rust and corrosion.
-  No pressurized application or cumbersome equipment is required. **Vitalife®** takes care of all the “dirty work.”

A **CROSBY VITALIFE®** DEMONSTRATION

FIG 1:

The subject is roughly a 2 foot section on a spool of wire rope that has been treated regularly by a competing wire rope lubricant for an extended period of time.

The current lubricant is a commonly used viscous oil that is smeared onto the exterior of the rope. Note the blackened, tarred up & dirtied coating left behind by the current lubricant.

Without an extreme pressure injection, this lubricant is unable to penetrate and lubricate the inner strands and core of the wire rope, the region where most wire ropes fail.



FIG 2:

This is **Vitalife® Bio-Lube** moments after being applied to ropes shown in Fig. 1, performing as described above. Notice, the lubricant has adhered itself onto the cable with no oil dripped around the wire rope.



FIG 3:


FIG 3:

From just a single light coat, **Vitalife® Bio-Lube** has cleaned off the coating that was left behind on the cable by the original competing lubricant. The result is a rope not only significantly **cleaner**, but also **lubricated & protected** with a thin, lubricating and water displacing barrier.

The film left behind by **Vitalife® Bio-Lube** is **dry to the touch** to avoid any corrosive particles from sticking to the rope and stays clear to allow for visual inspection.

Also notice again that there is **no excess or wasted lubricant left behind.**

MORE UNIQUE FEATURES OF THE **CROSBY VITALIFE®** LINE OF WIRE ROPE LUBRICANTS INCLUDE...

-  Very quick, easy and mess free application on ropes of any quantity with the use of Crosby Vitalife Spray System. All that is required is ...



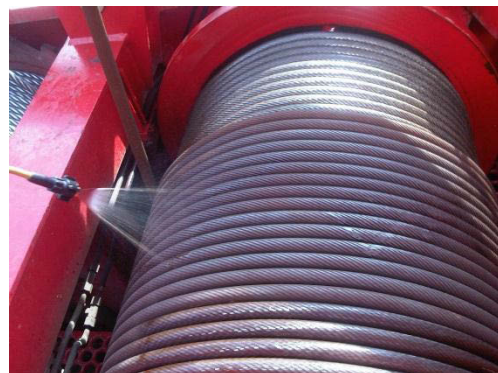
Vitalife® 400 & Vitalife® Bio-Lube available in 12 oz. aerosol cans, 5 gallon pails & 55 gallon drums


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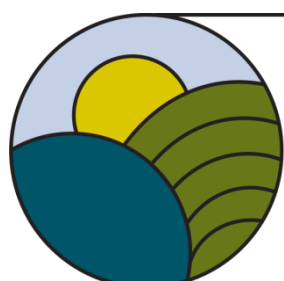


Crosby Vitalife® Spray Systems available in three different sizes

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-  **Vitalife®** is available in a biodegradable formulation that has been both tested and approved through the USDA Biopreferred Program for biodegradable products. **Vitalife® Bio-Lube** is tested at a level of **93% biobased** (exceeding the required minimum of 63% for lubricants.)



**USDA
CERTIFIED
BIOBASED
PRODUCT**
PRODUCT 93%



-  Once **Vitalife® 400 & Vitalife® Bio-Lube** is “dry to the touch,” **Vitalife®** will not wash off or be disrupted by any sea/salt water application. No oil residue will be left behind upon submersion to water.

For more information please click below:

www.thecrosbygroup.com



Vitalife® products are the preferred wire rope lubricants in the industry because of their ability to penetrate into wire rope and displace water and contaminants, thus reducing wear and corrosion throughout the rope.

- Available in a variety of container sizes.
- Provides inner strand preservation and lubricity.
- Allows for easy visual inspection of the ropes.
- Reduces the friction between the strands of the wire rope, thus extending rope life.
- Adheres to surface of strands, forming an outer film which provides excellent corrosive protection.
- Non-tacky (will not attract dust)
- Vitalife® in aerosol form is a regulated dangerous good. See MSDS sheet for shipping instructions.
- Vitalife® Bio-Lube has been developed especially for environmentally friendly applications.
- Vitalife® 500 has been developed exclusively for ski lifts and tramways.
- Vitalife® 600 has been developed exclusively for elevator applications.



Vitalife® Type	Container Size	Vitalife® Stock No.	Weight Each (lbs.)
Vitalife® 400 (Standard)	12 Ounce	1038946	1.00
	5 Gallon	1038955	41.0
	55 Gallon	1038964	420
Vitalife® 410 BIO-LUBE (Environmentally Friendly)	12 Ounce	1039004	1.00
	5 Gallon	1039013	41.0
	55 Gallon	1039022	420
Vitalife® 500 (Ski Lifts and Tramways)	5 Gallon	1038973	41.0
	55 Gallon	1038982	420
Vitalife® 600 (Elevator Cables)	1 Quart	1039034	2.00
	1 Gallon	1039037	8.20
	5 Gallon	1039040	41.0
	55 Gallon	1039043	420



VSP Vitalife® Spray Applicators

- Designed and manufactured to work in the rugged field conditions of the construction industry.
- All applicator seals are specially designed to work with Vitalife® 400 and BIO-LUBE products.

Description	VSP Stock No.	Weight Each (lbs.)
4 Gallon Backpack Sprayer	1039092	11.8



View Video

Section 1. Identification

American Oil	Transportation Emergency (CHEMTREC)	:	1-800-424-9300
22 Meridian Road	Technical Information	:	1 732 345-8213
Suite #6	SDS Information	:	1 732 345-8213
Eatontown, NJ 07724			
Product name : Vitalife 400 Wire Rope Lubricant <u>(12x12 oz aerosol cans)</u>	SDS no.	:	1265-875.19X
Product Number : 50007	Revision date	:	01/30/2015
Common name : Not available.	Chemical formula	:	Mixture
Chemical family : Hydrocarbon			

Relevant identified uses of the substance or mixture and uses advised against

Lubricant.

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
GERM CELL MUTAGENICITY - Category 1B
CARCINOGENICITY - Category 1B

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.
May cause genetic defects.
May cause cancer.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Response : IF exposed or concerned: Get medical attention.

Storage : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous Material Information System (U.S.A.) **Health** : 1 **Flammability** : 4 **Physical hazards** : 0

National Fire Protection Association (U.S.A.) **Health** : 1 **Flammability** : 4 **Instability** : 0

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated light naphthenic*	60 - 100	64742-53-6
Petroleum gases, liquefied, sweetened	10 - 30	68476-86-8

(*) This (These) above ingredient(s) is (are) non-hazardous and are not contributing to the hazard and classification of the final mixture. They are disclosed for information only.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Recommended: Splash goggles and a face shield, where splash hazard exists.
- Skin protection**
- Hand protection** : 4 - 8 hours (breakthrough time): Nitrile gloves.
- Body protection** : Recommended: Long sleeved coveralls.
- Other skin protection** : Recommended: Impervious boots.
- Respiratory protection** : If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

Section 9. Physical and chemical properties

Appearance		Relative density	: 0.822
Physical state	: Aerosol	Evaporation rate	: <1 (Butyl acetate = 1)
Color	: Yellow. [Light]	VOC content	: 1.17 lbs/gal (139.8 g/l)
Odor	: Mild	Solubility in water	: Insoluble
Odor threshold	: Not available.	Partition coefficient: n-octanol/water	: Not available.
pH	: Not available.	Auto-ignition temperature	: Not available.
Melting point	: Not available.	Decomposition temperature	: Not available.
Boiling point	: >200°C (>392°F)	SADT	: Not available.
Flash point	: Liquid: (287.8°C (550°F)) Propellant: (-104.4°C (-156°F))	Viscosity	: Not available.
Flammability	: Extremely flammable aerosol.	Vapor pressure	: 482.6 kPa (3620 mm Hg) [room temperature]
Lower and upper explosive (flammable) limits	: Not available.	Vapor density	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame).
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Skin : There is no data available.

Eyes : There is no data available.

Respiratory : There is no data available.

Sensitization

Skin : There is no data available.

Respiratory : There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Not available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Petroleum gases, liquefied, sweetened	1.09	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Not emptied containers are hazardous waste. It is however, the user's responsibility to determine at the time of disposal whether product meets RCRA criteria for hazardous waste. Do not incinerate. Content under pressure.

Section 14. Transport information

DOT IDENTIFICATION NUMBER UN1950 **DOT proper shipping name** Aerosols, flammable (Petroleum gases, liquefied, sweetened)

DOT Hazard Class(es) 2.1 **PG** Not applicable **DOT EMER. RESPONSE GUIDE NO.** 126

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** All components are listed or exempted.
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 602 Class I Substances : Not listed **DEA List I Chemicals (Precursor Chemicals)** : Not listed
Clean Air Act Section 602 Class II Substances : Not listed **DEA List II Chemicals (Essential Chemicals)** : Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Petroleum gases, liquefied, sweetened	10 - 30	Yes.	Yes.	No.	No.	Yes.

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

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- Pennsylvania** : None of the components are listed.
- California Prop. 65** : No products were found.

Section 16. Other information

- Revision date** : 01/30/2015
- Revised Section(s)** : Not applicable.
- Supersedes** : Not applicable
- Prepared by** : KMK Regulatory Services Inc.

Notice to reader

THE INFORMATION CONTAINED IN THIS SDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE OF THAT MATERIAL IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PARTICULAR PROCESS. IN COMPLIANCE WITH 29 C.F.R. 1910.1200(g), CHS HAS PREPARED THIS SDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS. CHS BELIEVES THE INFORMATION CONTAINED HEREIN TO BE ACCURATE, BUT MAKES NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, ABOUT THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION OR ABOUT THE FITNESS OF CONTENTS HEREIN FOR EITHER GENERAL OR PARTICULAR PURPOSES. PERSONS REVIEWING THIS SDS SHOULD MAKE THEIR OWN DETERMINATION AS TO THE MATERIAL'S SUITABILITY AND COMPLETENESS FOR USE IN THEIR PARTICULAR APPLICATIONS.

SAFETY DATA SHEET

GLOBALLY HARMONIZED SYSTEM

SECTION 1. IDENTIFICATION

American Oil
 22 Meridian Road
 Suite #6
 Eatontown, NJ 07724

Transportation Emergency (CHEMTREC): 1 800 424-9300
 Technical Information: 1 732 345-8213
 SDS Information: 1 651 345-8213

Product name: Vitalife 400 - 5 gal and 55 gal Drum
 Wire Rope Lubricant

SDS no. : 1265-875.19X
 Revision date: 04/15/2014

Chemical family: Hydrocarbon

Chemical formula: Mixture

Relevant identified uses of the substance
 or mixture and uses advised against: Lubricant

SECTION 2. HAZARD IDENTIFICATION

OSHA / HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the
 substance or mixture: Not classified.

GHS label elements:

Single word: No single word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Hazardous Material Information System (U.S.A.) Health: 2 Flammability: 1 Physical hazards: 0

National Fire Protection Association (U.S.A.) Health: 2 Flammability: 1 Instability: 0

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS IDENTIFICATION

Substance / Mixture: Mixture
 Other means of identification: Equipment Lubricating Oil

Any concentration shown as a range is to protect confidentiality or is due to batch variation.:

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

- Eye contact:** If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.
- Inhalation:** If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.
- Skin contact:** If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.
- Ingestion:** If material has been swallowed, do not induce vomiting. Get medical attention immediately.

Most important symptoms / effects, acute & delayed potential acute health effects

- Eye contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

Over-exposure signs / symptoms

- Eye contact:** Adverse symptoms may include the following: pain or irritation, watering, redness.
- Inhalation:** Adverse symptoms may include the following: respiratory tract irritation, coughing.
- Skin contact:** Adverse symptoms may include the following: irritation, redness.
- Ingestion:** No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific Treatments:** No specific treatment.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

See toxicology information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media:** Use water spray to cool fire exposed surfaces and to protect personnel. Foam, dry chemical or water spray (fog) to extinguish fire.
- Unsuitable extinguishing media:** None known.
- Specific hazards arising from the chemical:** Toxic fumes gases or vapors may evolve on burning.
- Hazardous thermal decomposition products:** No specific data.
- Special protective actions for fire-fighters:** When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.
- Special protective equipments for fire-fighters:** Not applicable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel:** Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Spill: Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- Protective measures:** Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
- Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Conditions for safe storage, including any incompatibilities:** Do not store above the following temperature: 113°C (235.4°F). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Controls parameters

Occupational exposure limits

None.

Appropriate engineering controls: Use only with adequate ventilation.

Environmental engineering controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

- Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye / face protection:** Recommended: Splash goggles and a face shield, where splash hazard exists.
- Skin protection**
- Hand protection:** 4 - 8 hours (breakthrough time): Nitrile gloves.
- Body protection:** Recommended: Long sleeved coveralls.
- Other skin protection:** Recommended: Impervious boots.
- Respiratory protection:** If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: Liquid
Color: Yellow. [Light]
Odor: Mild petroleum.
Odor Threshold: Not available.

Relative density: 0.86 to 0.91
Evaporation rate: <1 (Butyl acetate = 1)
Solubility: Insoluble in the following materials: cold water and hot water.
Solubility in water: Insoluble
Partition coefficient: noctanol / water: Not available.

pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Closed cup: >163°C (>325.4°F)
Flammability:	Not available.
Lower and upper explosive (flammable) limits:	Not available.

Auto-ignition temperature:	>260°C (>500°F)
Decomposition temperature:	Not available.
SADT:	Not available.
Viscosity:	Not available.
Vapor pressure:	<0.13 kPa (<0.01 mm Hg) (68°F)
Vapor density:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: No specific data.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation / Corrosion

Skin: There is no data available.

Eyes: There is no data available.

Respiratory: There is no data available.

Sensitization

Skin: There is no data available.

Respiratory: There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure:

Dermal contact. Eye contact. Inhalation. Ingestion.

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}): There is no data available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13. ECOLOGICAL INFORMATION

Disposal methods: Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14. TRANSPORT INFORMATION

DOT IDENTIFICATION NUMBER Not applicable. **DOT proper shipping name** Not applicable.

DOT Hazard Class(es) Not applicable. **PG** Not applicable. **DOT EMER. RESPONSE GUIDE NO.** Not applicable.

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations: **TSCA 8(a) CDR Exempt/Partial exemption:** All components are listed or exempted.
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 602 Class I Substances: Not listed. **DEA List I Chemicals (Essential Chemicals):** Not listed.
Clean Air Act Section 602 Class II Substances: Not listed. **DEA List II Chemicals (Essential Chemicals):** Not listed.

SARA 302/304**Composition/information on ingredients**

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Not applicable.

Composition/information on ingredients

No products were found.

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

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: The following components are listed: Distillates (petroleum), hydrotreated light naphthenic

New York: None of the components are listed.

New Jersey: The following components are listed: Distillates (petroleum), hydrotreated light naphthenic; Distillates (petroleum), hydrotreated heavy naphthenic.

Pennsylvania: None of the components are listed.

California Prop. 65: No products were found.

SECTION 16. OTHER INFORMATION

Revision date: 04/15/2014

Supersedes: 07/03/2008

Revised sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.

Prepared: KMK Regulatory Services Inc.

Notice to reader

THE INFORMATION CONTAINED IN THIS SDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE OF THAT MATERIAL IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PARTICULAR PROCESS. IN COMPLIANCE WITH 29 C.F.R. 1910.1200(g), AMERICAN OIL & SUPPLY INT'L HAS PREPARED THIS SDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS. AMERICAN OIL & SUPPLY INT'L BELIEVES THE INFORMATION CONTAINED HEREIN TO BE ACCURATE, BUT MAKES NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, ABOUT THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION OR ABOUT THE FITNESS OF CONTENTS HEREIN FOR EITHER GENERAL OR PARTICULAR PURPOSES. PERSONS REVIEWING THIS SDS SHOULD MAKE THEIR OWN DETERMINATION AS TO THE MATERIAL'S SUITABILITY AND COMPLETENESS FOR USE IN THEIR PARTICULAR APPLICATIONS.

SAFETY DATA SHEET

Section 1. Identification

American Oil
22 Meridian Road
Suite #6
Eatontown, NJ 07724

Product name : Vitalife Biolube (**12x12 Oz aerosol spray cans**)
Wire Rope Lubricant
Common name : Not available.

Chemical family : Biolube

Relevant identified uses of the substance or mixture and uses advised against

Lubricant.

Transportation Emergency (CHEMTREC) : 1-800-424-9300
Technical Information : 1 732 345-8213
SDS Information : 1 732 345-8213
SDS no. : 1266-869.785
Revision date : 01/15/2015
Chemical formula : Mixture

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
GERM CELL MUTAGENICITY - Category 1B
CARCINOGENICITY - Category 1B

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.
May cause genetic defects.
May cause cancer.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.
Response : IF exposed or concerned: Get medical attention.
Storage : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous Material Information System (U.S.A.) Health : 2 * Flammability : 4 Physical hazards : 0

National Fire Protection Association (U.S.A.) Health : 2 Flammability : 4 Instability : 0

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

Ingredient name	%	CAS number
Canola oil*	30 - 60	120962-03-0
Petroleum gases, liquefied, sweetened	10 - 30	68476-86-8
Castor oil*	10 - 30	8001-79-4

(*) This (These) above ingredient(s) is (are) non-hazardous and are not contributing to the hazard and classification of the final mixture. They are disclosed for information only.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
- Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing gas. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Recommended: Splash goggles and a face shield, where splash hazard exists.
- Skin protection**
- Hand protection** : 4 - 8 hours (breakthrough time): Nitrile gloves.
- Body protection** : Recommended: Long sleeved coveralls.
- Other skin protection** : Recommended: Impervious boots.
- Respiratory protection** : If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

Section 9. Physical and chemical properties

Appearance		Relative density	: 0.822
Physical state	: Aerosol	Evaporation rate	: <1 (Butyl acetate = 1)
Color	: Yellow. [Light]	VOC content	: 1.17 lbs/gal (139.8 g/l)
Odor	: Mild	Solubility in water	: Insoluble
Odor threshold	: Not available.	Partition coefficient: n-octanol/water	: Not available.
pH	: Not available.	Auto-ignition temperature	: Not available.
Melting point	: Not available.	Decomposition temperature	: Not available.
Boiling point	: >200°C (>392°F)	SADT	: Not available.
Flash point	: Liquid: (287.8°C (550°F)) Propellant: (-104.4°C (-156°F))	Viscosity	: Not available.
Flammability	: Extremely flammable aerosol.	Vapor pressure	: 482.6 kPa (3620 mm Hg) [room temperature]
Lower and upper explosive (flammable) limits	: Not available.	Vapor density	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame).
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Skin : There is no data available.

Eyes : There is no data available.

Respiratory : There is no data available.

Sensitization

Skin : There is no data available.

Respiratory : There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Not available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Petroleum gases, liquefied, sweetened	1.09	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Not emptied containers are hazardous waste. It is however, the user's responsibility to determine at the time of disposal whether product meets RCRA criteria for hazardous waste. Do not incinerate. Content under pressure.

Section 14. Transport information

DOT IDENTIFICATION NUMBER UN1950 **DOT proper shipping name** AEROSOLS
DOT Hazard Class(es) 2.1 **PG** Not applicable **DOT EMER. RESPONSE GUIDE NO.** 126

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 4(a) final test rules:** 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
TSCA 8(a) PAIR: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: Vinyl acetate

Clean Air Act Section 602 Class I Substances : Not listed **DEA List I Chemicals (Precursor Chemicals)** : Not listed
Clean Air Act Section 602 Class II Substances : Not listed **DEA List II Chemicals (Essential Chemicals)** : Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Vinyl acetate	0 - 0.1	Yes.	1000	129	5000	644.8

SARA 304 RQ : 992063492.1 lbs / 450396825.4 kg [144747267.1 gal / 547928011.4 L]

SARA 311/312

Classification : Fire hazard
 Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Petroleum gases, liquefied, sweetened	10 - 30	Yes.	Yes.	No.	No.	Yes.

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

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- Pennsylvania** : None of the components are listed.
- California Prop. 65** : **WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Vinyl acetate	Yes.	No.	No.	No.

Section 16. Other information

Revision date : 01/15/2015 **Supersedes** : Not applicable
Revised Section(s) : Not applicable. **Prepared by** : KMK Regulatory Services Inc.

Notice to reader

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SAFETY DATA SHEET

GLOBALLY HARMONIZED SYSTEM

SECTION 1. IDENTIFICATION

American Oil
22 Meridian Road
Suite #6
Eatontown, NJ 07724

Transportation Emergency (CHEMTREC): 1 800 424-9300
Technical Information: 1 732 345-8213
SDS Information: 1 732 345-8213

Product name: Vitalife Bio Lube-5 gal and 55 gal drum
Wire Rope Lubricant

SDS no. : 1266-869.785
Revision date: 04/15/2014

Chemical family: Biolube

Chemical formula: Mixture

Relevant identified uses of the substance
or mixture and uses advised against: Lubricant

SECTION 2. HAZARD IDENTIFICATION

OSHA / HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the
substance or mixture: Not classified.

GHS label elements:

Single word: No single word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Hazardous Material Information System (U.S.A.) Health: 2 Flammability: 2 Physical hazards: 0

National Fire Protection Association (U.S.A.) Health: 2 Flammability: 2 Instability: 0

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS IDENTIFICATION

Substance / Mixture: Mixture
Other means of identification: Equipment Lubricating Oil

Any concentration shown as a range is to protect confidentiality or is due to batch variation.:

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

- Eye contact:** If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.
- Inhalation:** If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.
- Skin contact:** If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.
- Ingestion:** If material has been swallowed, do not induce vomiting. Get medical attention immediately.

Most important symptoms / effects, acute & delayed potential acute health effects

- Eye contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

Over-exposure signs / symptoms

- Eye contact:** Adverse symptoms may include the following: pain or irritation, watering, redness.
- Inhalation:** Adverse symptoms may include the following: respiratory tract irritation, coughing.
- Skin contact:** Adverse symptoms may include the following: irritation, redness.
- Ingestion:** No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific Treatments:** No specific treatment.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

See toxicology information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media:** Use water spray to cool fire exposed surfaces and to protect personnel. Foam, dry chemical or water spray (fog) to extinguish fire.
- Unsuitable extinguishing media:** None known.
- Specific hazards arising from the chemical:** Toxic fumes gases or vapors may evolve on burning.
- Hazardous thermal decomposition products:** No specific data.
- Special protective actions for fire-fighters:** When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.
- Special protective equipments for fire-fighters:** Not applicable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel:** Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Spill: Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

SECTION 7. HANDLING AND STORAGE**Precautions for safe handling**

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Conditions for safe storage, including any incompatibilities: Do not store above the following temperature: 113°C (235.4°F). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Controls parameters****Occupational exposure limits**

None.

Appropriate engineering controls: Use only with adequate ventilation.

Environmental engineering controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye / face protection: Recommended: Splash goggles and a face shield, where splash hazard exists.

Skin protection

Hand protection: 4 - 8 hours (breakthrough time): Nitrile gloves.

Body protection: Recommended: Long sleeved coveralls.

Other skin protection: Recommended: Impervious boots.

Respiratory protection: If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state: Liquid
Color: Yellow. [Light]
Odor: Mild.
Odor Threshold: Not available.

Relative density: 0.86 to 0.92
Evaporation rate: <1 (Butyl acetate = 1)
Solubility: Insoluble in the following materials: cold water and hot water.
Solubility in water: Insoluble
Partition coefficient: Not available.
noctanol / water

pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Closed cup: >204°C (>399.2°F)
Flammability:	Not available.
Lower and upper explosive (flammable) limits:	Not available.

Auto-ignition temperature:	>260°C (>500°F)
Decomposition temperature:	Not available.
SADT:	Not available.
Viscosity:	Not available.
Vapor pressure:	<0.13 kPa (<0.01 mm Hg) (68°F)
Vapor density:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: No specific data.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation / Corrosion

Skin: There is no data available.

Eyes: There is no data available.

Respiratory: There is no data available.

Sensitization

Skin: There is no data available.

Respiratory: There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure:

Dermal contact. Eye contact. Inhalation. Ingestion.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}): There is no data available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13. ECOLOGICAL INFORMATION

Disposal methods: Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14. TRANSPORT INFORMATION

DOT IDENTIFICATION NUMBER Not applicable. **DOT proper shipping name** Not applicable.

DOT Hazard Class(es) Not applicable. **PG** Not applicable. **DOT EMER. RESPONSE GUIDE NO.** Not applicable.

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations:
TSCA 4(a) final test rules: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
TSCA 8(a) PAIR: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
TSCA 8(a) CDR Exempt/Partial exemption: Not determined.
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: Vinyl acetate.

Clean Air Act Section 602 Class I Substances: Not listed. **DEA List I Chemicals (Essential Chemicals):** Not listed.
Clean Air Act Section 602 Class II Substances: Not listed. **DEA List II Chemicals (Essential Chemicals):** Not listed.
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed.

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			lbs.	gallons	lbs.	gallons
Vinyl acetate	0 - 0.1	Yes.	1000	129	5000	644.8

SARA 304 RQ: 694444444.4 lbs / 315277777.8 kg [93581547.8 gal / 354244694.1 L]



SARA 311/312**Classification:** Not applicable.**Composition/information on ingredients**

No products were found.

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

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations**Massachusetts:** None of the components are listed.**New York:** None of the components are listed.**New Jersey:** None of the components are listed.**Pennsylvania:** None of the components are listed.**California Prop. 65:** No products were found.**SECTION 16. OTHER INFORMATION****Revision date:** 04/15/2014**Supersedes:** 07/03/2008**Revised sections:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.**Prepared:** KMK Regulatory Services Inc.**Notice to reader**

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