

Silicone Lube

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

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Date of issue: 3/23/2015

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Silicone Lube
Product code : SL-16

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

Use of the substance/mixture : Lubricant.

1.3. Details of the supplier of the safety data sheet

Justice Brothers, Inc.
2734 Huntington Drive
Duarte, CA - USA
91010
T (626) 359-9174 (M-F, 8am-5pm PST)

1.4. Emergency telephone number

Emergency number : CHEMTREC International +1 (703) 527-3887 24 hr.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Aerosol—1
Aspiration Hazard—2

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Extremely flammable aerosol. Pressurized container: may burst if heated. May be harmful if swallowed and enters airways.

Precautionary statements (GHS-US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. IF SWALLOWED: Immediately call a POISON CENTER doctor. DO NOT induce vomiting. Store locked up. Protect from sunlight. Do not expose to temperature exceeding 50°C/122°F. Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Petroleum Solvent	(CAS No) 64742-96-7	30-60	Asp. Tox. 1 H304
Petroleum Solvent	(CAS No) 64742-89-8	20-40	Carc. 1B Muta. 1B Asp. Tox. 1
Xylenes	(CAS No) 1330-20-7	7-13	Flam.Liq.3 AcuteTox.4 Skin Irrit. 2 Aqu. Acute 2 Aqu.Chronic2

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Propane	(CAS No) 74-98-6	7-13	Liq. Gas
Butane	(CAS No) 106-97-8	5-10	Liq. Gas
Isobutane	(CAS No) 75-28-5	5-10	Press. Gas Flam. Gas 1
Decamethyltetrasiloxane	(CAS No) 141-62-8	1-5	Flam Liq. 4 Aqu. Chronic4

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after ingestion : If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
- First-aid measures after skin contact : If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.
- First-aid measures after eye contact : Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.
- First-aid measures after inhalation : Remove victim to fresh air at once.

4.2. Effects of exposure, most important symptoms and effects, both acute and delayed

- Ingestion : If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.
- Eyes : The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Spray may cause severe eye irritation, possible corneal burns and eye damage.
- Skin : May be irritation to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
- Inhalation : Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g. drowsiness, dizziness, headaches and nausea). Odor may give some warning of exposure, but odor fatigue may occur.
- Symptoms of overexposure : Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
- Acute Health Effects : Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.
- Chronic Health Effects : The material may accentuate any pre-existing dermatitis condition.

4.3. Target organs and medical conditions aggravated by exposure

- Target organs : Eyes, skin & respiratory organs.
- Medical Conditions Aggravated by Exposure : Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

SECTION 5: Firefighting measures

5.1. Fire & Explosions Hazards

- Fire & explosion hazards : Extremely flammable aerosol. Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120°F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete.

5.2. Extinguishing media

- Extinguishing media : Water Fog, Foam, Dry Chemical, CO2

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5.3. Advice for firefighters

Firefighting Procedures

: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage container because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

SECTION 6: Accidental release measures

6.1. Spills

Spills : Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1.0 gallon (3.8L)) wear appropriate protective equipment (e.g., goggles, gloves.) Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For large spills (e.g., ≥1.0 gallon (3.8L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and sold diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spill and cleaning runoffs out of municipal sewers and open bodies of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions : Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources or sources of intense heat. Storage temperature: 32-120°F (0-49°C). Take precautionary measures against static discharge. Store away from incompatible materials (see Section 10).

7.3. Special Precautions

Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Petroleum Solvent (CAS No) 64742-96-7	
OSHA PEL (ppm)	400
Petroleum Solvent (CAS No) 64742-89-8	
OSHA/ACGIH PEL (TLV) (ppm)	300
Xylenes (CAS No) 1330-20-7	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit
Propane (74-98-6)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit
Isobutane (75-28-5)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit

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Decamethyltetrasiloxane (141-62-8)

OSHA/ACGIH/NIOSH PEL (TWA) (ppm)

No established limit

8.2. Exposure controls

Appropriate engineering controls	: When working with large quantities of product provide adequate ventilation (e.g., local exhaust ventilation, fans), to keep exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
Hand protection	: If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or applicable U.S. state regulations, or the appropriate standards of Canada, or the E.C. member states.
Eye protection	: Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.
Skin and body protection	: No special body protection is required under typical circumstances of use and handling. Wear appropriate protective clothing to prevent skin contact, (boots, lab coat, apron, coveralls) as needed. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.
Respiratory protection	: No special respiratory protection is required under typical circumstances of use and handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Aerosol. Clear, liquid.
Color	: Colorless.
Odor	: Hydrocarbon odor.
Odor threshold	: No data available.
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: Concentrate: 50°C (122°F).
Self ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability Limits	: LEL: 1.1%/UEL: 6.0%.
Vapor pressure	: 45+/-5 @70°F.
Relative vapor density at 20 °C	: Heavier than air.
Relative density	: 0.804 +/-0.012 (6.700 +/-0.01 lbs/gal)
Solubility	: Negligible.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidizing properties	: No data available.
Explosive limits	: No data available.

9.2. Other information

50.5% VOC.

SECTION 10: Stability and reactivity

10.1. Stability

Relatively stable under ambient conditions when stored properly.

10.2. Hazardous Polymerization

Will not occur.

10.3. Conditions to avoid

Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame.

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10.4. Incompatible materials

Strong oxidizers, peroxides or strong acids.

10.5. Hazardous decomposition products

If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Routes of entry	: Inhalation, absorption and ingestion
Toxicity data	: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some to the components of the product and is presented below: Xylene: LD ₅₀ (oral, rat): 4300mg/kg
Acute Toxicity	: See Section 4.2
Chronic Toxicity	: See Section 4.2.
Suspected Carcinogen	: Xylene is listed by ACGIH—Group A4 (not classifiable as a human carcinogen) and IARC Group 3 (not classifiable as to carcinogenicity to humans).
Reproductive toxicity	: This product is not reported to produce reproductive toxicity in humans.
Irritancy of Product	: See Section 4.2
Biological Exposure Indices	: NE
Physician Recommendations	: Treat symptomatically.

SECTION 12: Ecological information

12.1. Environmental Stability

Contains a substance which causes risk of hazardous effects to the environment. Xylenes – LD₅₀ (Oncorhynchus mykiss, 96h): 8mg/L

12.2. Effects on Plants and Animals

No data available.

12.3. Effects on Aquatic Life

No specific data available; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
Special considerations	: U.S. EPA Waste Number: D001 (characteristic – ignitable); D003 (characteristic – reactivity).

SECTION 14: Transport information

The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1. 49 CFR (GND)

CONSUMER COMMODITY, ORM-D (IP VOL≤1000mL) – until 12/31/2020
UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL≤1000mL)

14.2. IATA (AIR)

ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤500mL)
UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤500mL)

14.3. IMDG (OCN)

UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL≤1000mL)

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SECTION 15: Regulatory information

15.1. Federal regulations

SARA Reporting Requirements and Threshold Planning Quantity	: This product contains Xylene, a substance subject to SARA Title III, section 313 reporting requirements. There are no specific Threshold Planning Quantities for the components of the product,
TSCA Inventory Status	: The components of this product are listed on the TSCA Inventory.
CERCLA Reportable Quantity (RQ)	: Xylenes: 45.4 kg (100lbs)
Other Federal Regulations	: This material does not contain any hazardous pollutants. None of the components are listed as priority pollutants under the CWA. None of the components of this product are listed as toxic under the CWA.

15.2. US State regulations

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State or local regulations	Xylene is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), and Wisconsin Hazardous Substances List (WI). Decamethyltetrasiloxane is found on the following state criteria lists: NJ and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)
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16: Other Information

Indication of Changes	: This is the first revision of this SDS format, changes from previous revision not applicable.
Date of issue	: 3/23/2015
Other Information	: DANGER! EXTERMEY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER: MAY BURST IF HEATED. MAY BE HARFULM IF SWALLOWED AND ENTERS AIRWAYS. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on open flame or other ignition source. Do not pierce or burn, ever after use. Wash hands and exposed skin areas with soap and water thoroughly after handling. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist get medical advice attention. Store in a well ventilated place. Keep cool. Use only as directed. Protect from sunlight. Do not expose to temperatures exceeding 50°C (122°F). KEEP OUT OF REACH OF CHILDREN.



NFPA health hazard : 1- Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 3 Liquids and solids that can be ignited under almost all ambient conditions
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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