



# SAFETY DATA SHEET

Issue Date 26-Sept-2014

Revision Date

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name SILICONE SPRAY

### Other means of identification

SDS# 027

UN/ID No UN1950

Product Code 0304

### Recommended use of the chemical and restrictions on use

Recommended Use Dry lubricant and release agent

### Details of the supplier of the safety data sheet

#### Supplier Address

Lang Dental Mfg. Co., Inc.

175 Messner Dr.

Wheeling, IL 60090

USA

#### Emergency telephone number

Company Phone Number 847-215-6622

Emergency Telephone (INFOTRAC) 352-323-3500 (International)

800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable aerosols	Category 1
Serious eye damage / eye irritation	Category 2A
Reproductive toxicity (fertility, the unborn child)	Category 2
Specific target organ toxicity (single exposure)	Category 3 narcotic effects
Aspiration hazard	Category 1

### Signal word

Danger

### Hazard statements Flammable aerosol

May be fatal if swallowed and enters airways.

Causes severe eye irritation.

May cause drowsiness or dizziness.

Suspected of damaging fertility.

Suspected of damaging the unborn child.



**Precautionary Statements – Prevention**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, spark, open flame and hot surfaces. NO SMOKING.  
 Do not spray near or on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Avoid breathing gas.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves, protective clothing, eye protection and face protection.

**Precautionary Statements – Response**

IF SWALLOWED: Immediately call a poison center or doctor.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If exposed or concerned: Get medical advice or attention. Call a poison center or doctor if you feel unwell. Do NOT induce vomiting. If eye irritation persists, get medical advice or attention.

**Precautionary Statements – Storage**

Store in a well-ventilated place.  
 Keep container tightly closed.  
 Store locked up.  
 Protect from sunlight.  
 Do not store at temperatures above 50°C / 122°F.

**Precautionary Statements – Disposal**

Dispose of contents/container in accordance with local, regional, national and international regulations.

**Environmental Information**

Hazardous to the aquatic environment, acute hazard Category 2  
 Hazardous to the aquatic environment, long term hazard Category 2  
 Toxic to aquatic life. Toxic to aquatic like with long-lasting effects  
 Avoid release to the environment.  
 Collect spillage.  
 51.6% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment.  
 51.6% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Components Chemical Name	CAS No	Weight - %	Trade Secret
Acetone	67-64-1	20 - 40	*
Butane	106-97-8	20 - 40	*
Propane	74-98-6	20 - 40	*
Solvent naphtha (petroleum), light aliphatic	64742-89-8	10 - 15	*
Isoparaffinic hydrocarbon	64742-47-8	5 - 8	*
Non-hazardous and other components below reportable levels	Proprietary	2.5 - 10	*

\*Specific CAS No and chemical weight have been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First aid measures

<b>Inhalation</b>	Move to fresh. Call a physician if symptoms develop or persist.
<b>Skin Contact</b>	Take off all contaminated clothing immediately. Rinse skin with water or shower. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Aspiration may cause pulmonary edema and pneumonitis. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Provide general supportive measures and treat symptomatically.
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<b>General Advice</b>	Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable:** Water fog, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>)

**Unsuitable:** Water jet (will spread the fire)

### Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

### Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground. Environmental Manager must be informed of all major releases.

**Methods and material for containment and clean-up**

**Method for containment** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

**Method for clean-up** Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly to remove residual contamination.

<b>7. HANDLING AND STORAGE</b>
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**Precautions for safe handling**

**Advice on safe handling** Do not handle near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. Provide adequate ventilation. Avoid breathing fumes, gas, mist, vapors or sprays. Do not get in eyes, on skin or on clothing. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122°F. Do not puncture, incinerate or crush. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Store locked up. Store away from incompatible materials (See Section 10).

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated)	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Butane 106-97-8	TWA: 1000 ppm	TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup> (vacated)	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm (vacated)	IDLH: 2400 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Solvent naphtha (petroleum), light aliphatic 64742-89-8	TWA: 400 ppm	-	-

**Appropriate engineering controls**

**Engineering controls** Explosion-proof general and local exhaust ventilation. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**Eye / face protection** Wear approved safety goggles.

<b>Skin and body protection</b>	Wear protective gloves.
<b>Respiratory protection</b>	None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Section 11), use NIOSH approved respirator to prevent overexposure. If permissible levels are exceeded, use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	Not available
<b>Appearance</b>	Compressed liquefied gas	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
<b>Flash point</b>	-104.44°C / -156°F	Propellant estimated
<b>Vapor pressure</b>	50 - 70 psig	@ 21.1°C / 70°F, estimated
<b>Specific gravity</b>	0.772	Estimated; water = 1

## 10. STABILITY AND REACTIVITY

<b><u>Reactivity</u></b>	Not reactive under normal conditions
<b><u>Chemical stability</u></b>	Material is stable under normal conditions
<b><u>Possibility of hazardous reactions</u></b>	Not available
<b><u>Conditions to avoid</u></b>	Heat, flames, sparks and other ignition sources
<b><u>Incompatible materials</u></b>	None known based on information supplied
<b><u>Hazardous decomposition products</u></b>	None known

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposures

#### **Product information**

<b>Ingestion</b>	Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia. May be fatal if swallowed and enters airways.
<b>Inhalation</b>	No adverse effects expected; not a respiratory sensitizer.
<b>Skin contact</b>	Causes mild skin irritation; not expected to cause skin sensitization.
<b>Eye contact</b>	Causes severe eye irritation.

#### **Component information**

<b>Chemical Name</b>	<b>ORAL LD50</b>	<b>DERMAL LD50</b>	<b>INHALATION LC50</b>
Propane 74-98-6	-	-	658 mg/L (rat) 4 h
Butane 106-97-8	-	-	658 mg/L (rat) 4 h
Acetone 67-64-1	5800 mg/kg (rat)	-	-

Solvent naphtha (petroleum), light aliphatic 64742-89-8	-	5800 mg/kg (rat)	-
Isoparaffinic hydrocarbon 64742-47-8	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 5.2 mg/L (rat) 4 h

### Information on physical, chemical and toxicological effects

**Symptoms** Aspiration from swallowing or vomiting may cause chemical pneumonia, pulmonary injury or death. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Skin irritation. May cause central nervous system effects, Symptoms of overexposure may be headache, dizziness, fatigue, nausea and vomiting.

### Information on toxicological effects

**Acute toxicity** Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

**Germ cell mutagenicity** No data available to indicate product or any components present at >0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity** Suspected of damaging fertility

### Specific target organ toxicity

**Single exposure** Narcotic effects

**Repeated exposure** Not classified

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life with long-lasting effects

### Component information

Chemical Name	Algae / aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1	-	4.74-6.33 mL/L: 96 h Oncorhynchus mykiss LC50 6210-8120 mg/L: 96 h Pimephales promelas LC 50 static 8300 mg/L: 96 h Lepomis macrochirus LC50	EC50 = 14500 mg/L 15 min	10294-17704 mg/L: 48 h Daphnia magna EC50 static 12600-12700 mg/L: 48 h Daphnia magna EC50
Solvent naphtha (petroleum), light aliphatic 64742-89-8	4700 mg/L: 72 h Pseudokirchneriella subcapitata EC50	-	-	-
Isoparaffinic hydrocarbon 64742-47-8	-	2.2 mg/L: 96 h Lepomis macrochirus LC50 static 2.4 mg/L: 96 h Oncorhynchus mykiss LC50 static 45 mg/L: 96 h Pimephales promelas LC 50 flow-through	-	4720 mg/L: 96 h Dendronereides heteropoda LC50

**Persistence and degradability** Not determined

**Bioaccumulation potential** No data available

**Mobility in soil** No data available

Chemical Name	CAS No	Partition coefficient
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Propane	74-98-6	2.36
N-butane	106-97-8	2.89
Acetone	67-64-1	-0.24
Toluene	108-88-3	2.73
Cyclohexane	110-82-7	3.44
N-hexane	110-54-3	3.9
N-heptane	142.82-5	4.66

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

#### **Disposal of wastes**

Dispose of in accordance with federal, state and local regulations. Do not empty into drains.  
Dispose of this material and its sealed container at hazardous or special waste collection point.

#### **Contaminated Packaging**

Dispose of in accordance with federal, state and local regulations. Pressurized container: Do not pierce or burn, even after use. Empty container fully, including gas pressure. Emptied containers may retain product residue.

#### **US EPA Waste Number**

Should be assigned in discussion with the user, the producer and the waste disposal company.

Chemical Name	CAS No	RCRA – U Series Wastes
Acetone	67-64-1	U002
Cyclohexane	110-82-7	U056
Toluene	108-88-3	U220

### 14. TRANSPORTATION INFORMATION

#### **DOT**

UN / ID No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1

#### **IATA**

UN / ID No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1
Environmental hazards	Yes

#### **IMDG**

UN / ID No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1
Marine pollutant	Yes

### 15. REGULATORY INFORMATION

#### **International Inventories**

<b>TSCA</b>	Listed	United States Toxic Substances Control Act Section 8(b) Inventory
<b>DSL</b>	Listed	Canadian Domestic Substances List
<b>EINECS</b>	Listed	European Inventory of Existing Chemical Substances
<b>AICS</b>	Listed	Australian Inventory of Chemical Substances
<b>IECSC</b>	Listed	Inventory of Existing Chemical Substances in China
<b>ENCS</b>	Listed	Inventory of Existing and New Chemical Substances (Japan)

**KECL**            Listed    Korean Existing and Evaluated Chemical Substances List  
                       Listed    New Zealand Inventory  
**PICCS**          Listed    Philippine Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**SARA Hazard Categories**    Immediate hazard    Yes  
     Delayed hazard      Yes  
     Fire hazard          Yes  
     Pressure hazard     Yes  
     Reactivity hazard    No

**US State Right-to-Know Regulations**

Chemical Name	New Jersey Worker and Community Right-to-Know Act	Pennsylvania RTK-Hazardous Substance
Propane 74-98-6	X	X
Butane 106-97-8	X	X
Acetone 67-64-1	-	X

California Proposition 65 – Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

<b>16. OTHER INFORMATION</b>
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NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	4	0	Not determined

**Issue Date**            26-Sept-2014  
**Revision Date**  
**Revision Note**

**Disclaimer**

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

End of Safety Data Sheet