SAFETY DATA SHEET

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: Delta Lubricant Silicone
Product Code: 9-C1509-00-0-0 (Unit)
9-C1509-12-0-0 (Box of 12)

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

Recommended Use(s): Window lubricant

Details of the supplier of the safety data sheet

Manufacturer: Ferco Architectural Hardware Inc
2000 Rue Berlier
Laval Quebec H7L 4S4
Canada

Url: http://www.ferco.ca

Contact: **General:** 450-973-1437

Section 2. Hazards identification

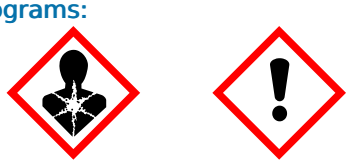
Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - repeated exposure - Category 2
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Carcinogenicity - Category 2
Skin irritation - Category 2
Aerosols - Category 3

Label elements

Pictograms:



Signal Words:

Warning

Hazard Statements:

Pressurized container: may burst if heated.
Causes skin irritation.
May cause respiratory irritation.
Suspected of causing cancer. Route(s) of exposure: Inhalation.
May cause damage to organs through prolonged or repeated exposure. Route(s) of exposure: Inhalation.
Affected organ(s): Liver, Kidney, Blood.

Precautionary Statements:

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Do not pierce or burn, even after use.
Do not breathe fume, vapors, mist, gas, spray.
Avoid breathing fume, gas, mist, spray, vapors.
Wash exposed area thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection.

Response

Call a POISON CENTER, doctor if you feel unwell.
If exposed or concerned: Get medical attention / advice.
If skin irritation occurs: Get medical attention / advice.
Get medical attention / advice if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing. And wash it before reuse.

Storage

Store in a well-ventilated place.
Store locked up.
Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

Dispose of contents to an approved waste disposal plant. Dispose of contents an approved waste disposal plant.

Section 3. Composition/information on ingredients

Substances

Identifiers	Ingredients	Percentage	Classification
75-09-2	Methylene chloride	60% to 100%	STOT RE 2, STOT SE 3, Carc. 1B, Skin Irr. 2, Eye Irr. 2
75-28-5	Isobutane	10% to 30%	Press. Gas, Simple Asphyxiation, Flam. Gas 1
74-98-6	Propane	7% to 13%	Press. Gas, Simple Asphyxiation, Flam. Gas 1
63148-62-9	Polydimethylsiloxane	1% to 5%	Aquatic Chronic 2, Aquatic Acute 2

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Wash eyes with plenty of water. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

If redness or other symptoms occur, seek medical advice / attention. Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms persist, seek medical advice / attention.

In the event of ingestion

DO NOT INDUCE VOMITING. Rinse the mouth with water. If after ingestion you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If the exposed person is drowsy or unconscious, do not give anything by mouth. In case of ingestion of large quantities immediately take the exposed person to hospital.

In the event of inhalation

If after inhalation you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If the exposed person is not breathing, provide artificial respiration. Loosen tight clothing such as a collar, tie, belt, or waistband. Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Ingestion: May cause irritation to the mouth, throat and stomach.

Eye contact: May cause mild to moderate irritation.

Skin contact: Causes skin irritation.

Inhalation: May cause headache, nausea, dizziness.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

The suggested appropriate media: Alcohol-type or universal-type foams. Carbon dioxide. Dry chemical. Fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Not flammable.

Combustion Products

Carbon dioxide (CO_2). Carbon monoxide (CO). Hydrocarbons. Hydrogen chloride gas.

Advice for firefighters

Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Isolate and restrict access to area until completion of cleanup.

Environmental precautions

Dike area to prevent runoff and contamination of water sources. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Prevent contamination of soil and surface water.

Methods and material for containment and cleaning up

Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so. Turn leaking containers leak-side up to prevent the escape of liquid. Absorb with earth, sand, or other non-combustible material. If possible, the spilled liquid should be transferred to a waste container.

CERCLA reportable quantity: Methylene chloride (1000 lbs / 454 kg).

Section 7. Handling and Storage

Precautions for safe handling

Ensure there is sufficient ventilation of the area. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wash any exposed area of body thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Storage temperature: 50°C.

Store only in well-ventilated areas.

Specific end use(s)

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Component

Methylene chloride

OSHA PEL	PEL 25 ppm. STEL 125 ppm.
ACGIH TLV	50 ppm.

Propane

NIOSH REL	1000 ppm. 1800 mg/m³.
OSHA PEL	1000 ppm. 1800 mg/m³.
ACGIH TLV	1000 ppm.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Safety showers and eye wash stations should be easily accessible to areas where product is stored, handled or used.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. In the case of mechanical work (such as grinding and sanding) which dust is generated, wear protective dust mask.

Eye/Face Protection

Wear safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Ensure gloves are certified. Wear impermeable gloves.

Hygiene Measures

Contaminated work clothing should not be allowed out of the workplace. Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

Environmental exposure controls

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Aerosol
Appearance	Clear, colorless liquid
Odor	Ether like
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	39.8°C / 103.64°F
Flash Point	300°C / 572°F
Flammability	Not available
Flammability limit	Not available
Vapor pressure	45 to 50 mmHg
Vapor density	heavier than air
Solubility	Not very soluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Greater than 1
Relative density w/r/t water	0.93 to 0.97
Relative density w/r/t air	Not available
Percent volatiles	97 to 98 %vol

Section 10. Chemical Stability & Reactivity Information

Reactivity

Reactivity: The product is known to be non-reactive in ambient conditions.

Chemical Stability

This product is stable under ambient condition.

Incompatible Materials

Avoid contact or storage with: Amines. Strong acids. Strong bases. Strong oxidizers. Halogens.

Hazardous Decomposition Products

Decomposition will Result in Production of: Carbon dioxide (CO_2). Carbon monoxide (CO).

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Component

Polydimethylsiloxane

LD50 Dermal	Lesser than 2000 mg/kg Rabbit.
LD50 Oral	Greater than 17000 mg/kg Rat.

Methylene chloride

LC50 Inhalation	76 g/m^3 (4h), Rat.
LD50 Dermal	Greater than 2000 mg/kg Rat.

Isobutane

LC50 Inhalation	368000 ppmV Mouse.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Component

Methylene chloride

EC50	27 mg/l Water fleat. Lesser than 500 mg/l (72h) Algae.
LC50 Environmental	193 g/m^3 Fathead minnow.

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Regulation(s) / Operation

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	1950	1950	1950	

	ADR	IMDG	IATA	DOT
UN proper shipping name	Aerosols, non-flammable, containing substanes in Class 6.1, (III),2.2 (Methylene chloride)	Aerosols, non-flammable, containing substanes in Class 6.1, (III),2.2 (Methylene chloride)	Aerosols, non-flammable, containing substanes in Class 6.1, (III),2.2 (Methylene chloride)	Aerosols, non-flammable, containing substanes in Class 6.1, (III),2.2 (Methylene chloride)
Transport hazard class(es)	2.2	2.2	2.2	
Packing group	III	III	III	
Environmental hazards				
Special precautions for user				
Transport in bulk according to Annex II of Marpol and the IBC Code				
Other	Limited Quantity Under 0.12 Liters			

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, Health and Environmental Regulations for Component

Methylene chloride

NewZealand IOC: HSR001540.
China IESC: Present.
Korea (KECI/KNCL): KE-23893.
Japan ENCS: (2)-36.
Philippines PICCS: Present.
Australia AICS: Present.
European EINECs: 200-838-9.
California prop 65: Listed.
Carcinogen.
CERCLA reportable quantity: 1000 lb/ 454 kg.
Right to know: California.
Massachusetts.
Minnesota.
New Jersey.
Pennsylvania.
Rhode Island.
Sara 313 Supplier notification: De minimus concentration 0.1 %.
TSCA: Listed.

Isobutane

NewZealand IOC: HSR001003.
China IESC: Present.

Korea (KECI/KNCL):	KE-24865.
Japan ENCS:	(2)-4.
Philippines PICCS:	Present.
Australia AICS:	Present.
European EINECs:	200-857-2.
Right to know:	Massachusetts.
	New Jersey.
	Pennsylvania.
TSCA:	Listed.

Polydimethylsiloxane

TSCA:	Present.

Propane

Right to know:	Massachusetts.
	Pennsylvania.
	New Jersey.
SARA 311/312:	Fire hazard.
	Sudden release of pressure hazard.

Section 16. Other Information

Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product

Glossary

ACGIH: American Conference of Governmental Industrial Hygienists.

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

BCF: Bioconcentration factor.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labelling #and Packaging of substances and mixtures.

CMR: Carcinogenic, mutagenic, reproductive toxin.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

LC50: Lethal Concentration which is lethal to 50% of the population.

LD50: Lethal Dose which is lethal to 50% of the population.

NIOSH: National Institute of Occupational Safety and Health.

TWA: Time Weighted Average.

WEL: Workplace Exposure Limit - Germany.

ppm: Parts per million.

Authored by: COMPLETE SDS CHEMICAL SAFETY COMPLIANCE MADE EASY

Verified and approved by: FERCO

Date Created: 3/10/16