LSL-80 Brown Silicone Elastomer

SECTION 1: IDENTIFICATION

Product Identifier:	**LSL-80 Brown Silicone Elastomer**
Other Means of Identification:	**Silicone Rubber, Part Number LSL-80**
Recommended Use:	**Industrial Manufacture of Silicone Parts**
Restrictions on Use:	**None known**
Supplier Identifier:	**Sterling Marking Products Inc., 1147 Gainsborough Road, London, ON Canada N6H 5L5 1-800-265-5957, 519-434-5785**
Emergency Phone Number:	**CANUTEC (613) 966-6666, Cellular *666**

SECTION 2: HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the U.S. Hazardous Communication Standard (HCS 2012)

Classificaton

Carcinogen (Inhalation) – Category 1A
Specific Target Organ Toxicity (Lungs) Systemic Toxicity (Repeated Exposure) – Category 1
Reproductive Toxicity – Category 2

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Label Elements:

Danger

Hazard Statements:

H303 – May be harmful if swallowed
H313 – May be harmful in contact with skin
H333 – May be harmful if inhaled
H350 - May cause lung cancer
H361 – Suspected of damaging fertility or the unborn child
H372 – Causes damage to lungs and/or kidneys through prolonged or repeated exposure by inhalation

Precautionary Statements:

Obtain special instruction before use
Do not breathe dust
Wear protective gloves and eye protection
Wash hands and skin thoroughly after handling
Take off contaminated clothing and wash it before reuse.
If in eyes, flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur consult a physician, preferably an ophthalmologist.
If ingested, there is no specific antidote. Do not induce vomiting. Seek prompt medical attention.
This product contains crystalline quartz which may present a health hazard if airborne. Exposure to respirable crystalline quartz may cause lung injury (silicosis).
Store away from oxidizing materials.
Traces of benezene (carcinogen) may form if heated in air above 300˚F. (149˚C.)
Ensure adequate ventilation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percentage (%)	Other Identifiers
Polymer bound, silica	102782-80-9	5 – 50%	None know
Octamethylcyclotetrasiloxane	556-67-2	0.01 - 2%	None known
Disilazane with Silica	68909-20-6	5 – 40%	None known
Silicone Dioxide Crystalline	14808-60-7	60 – 70%	None known

Note: All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (TSCA) list.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur consult a physician, preferably an ophthalmologist.
Skin Contact: If irritation does occur, wash with soap and water. Discontinue use of product. If skin rash occurs, get medical attention.
Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air.If irritation persists, get medical attention.
Ingestion: Do **NOT** induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
Notes to Physician: No specific antidote. Treatment based on sound judgement of physician and individual reactions of patient. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

Water spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) are preferred if available. General purpose synthetic foams (including AFFF) or protein foams may function but much less effectively.

Specific Hazards arising from the Product:

Hazardous Decomposition/Combustion Materials (under fire conditions):

The smoke may contain unidentified toxic and/or irritating compounds.

Special Protective Equipment:

Fire fighters should wear full protective clothing including self-contained breathing equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:

Wear appropriate protective equipment. Avoid contact with skin and eyes.

Environmental Precautionary Measures:

Prevent entry into sewers or streams, dike if needed.

Procedure for Clean-up:

Spills should be collected for disposal and placed in an appropriate waste disposal container.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:
None required other than normal safe material handling procedures.
Conditions for Safe Storage:
Keep containers tightly closed. Store away from strong acids and strong oxidizing agents. Store in accordance with good industrial practice.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name	CAS Number	TWA (dust)	PEL
Polymer bound, silica	102782-80-9	80 mg/m^3	None know
Octamethylcyclotetrasiloxane	556-67-2	0.01 - 2%	None known
Disilazane with Silica	68909-20-6	Not known	20 mg/m^3
Silicone Dioxide Crystalline	14808-60-7	0.025 mg/m^3	0.05 mg/m^3

Appropriate Engineering Controls:
Personal Protective Equipment
Respiratory Protection:
Gloves: Use gloves chemically resistant to this material. Examples of acceptable glove barrier materials include Natural rubber gloves. Neoprene gloves. Nitrile gloves. Polyvinylchloride (PVC) gloves. Viton gloves. **NOTICE:** the selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials as well as the instructions/specifications provided by the glove supplier.
Skin Protection: The selection of personal protective equipment varies depending upon conditions of use. Skin contact should be prevented through use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance. Impervious clothing. Impervious boots.
Eyes: Safety glasses.
Other Personal Protection Data: Ensure that eyewash stations are proximal to the work station location.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Paste-like
Colour: Brown
Odor: Slight.
pH at 20°C (68°F): 605 – 10; expected not measured
Boiling Point: Not applicable
Freezing/Melting Point: No
Vapour Pressure: <1
Vapour Density: No vapour expected
% Volatile by Volume: Not Available.
Evaporation Rate: Not Available.
Solubility: Not applicable.
Viscosity: Paste
Molecular Weight: Over 100,000 g/mole
Other: Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Not reactive.
Chemical Stability:
Stable.
Hazardous Polymerization:
Will not occur.
Conditions to Avoid:
Materials to Avoid:
Oxidizing materials. Strong acids or bases, strong oxidizing agents and strong reducing agents
Hazardous Decomposition Products:
Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide, Magnesium Oxides, Sulphur Oxides and Sodium Oxides.
Additional Information:
No additional remarks.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:
Ingestion:
Low toxicity. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.
Skin Contact: Irritant to skin and mucous membranes.
Inhalation 9dust0: Brief exposure (minutes) is not likely to cause adverse effects.
Eye Contact: Irritating effect. Causes serious eye irritation.

Additional Information:

Carcinogenicity:
Carcinogenicity Comment: IARC (international Agency for Research on Cancer) has stated that there is sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristabilite from occupational sources.

Reproductive Toxicity/Teratogenicity/Embryotoxicity/Mutagenicity: H303 – May be harmful if swallowed
Suspected of damaging fertility or the unborn child
Causes damage to lungs and/or kidneys through prolonged or repeated exposure by inhalation

SECTION 12: ECOLOGICAL INFORMATION

Other Information:
Ecotoxicity: material is practically non-toxic to aquatic organisms on an acute basis. The material is not soluble in water and if ingested will not be absorbed. The material will sink in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14: TRANSPORT INFORMATION

DOT (U.S.): Non-Regulated Material
DOT Shipping Name: LSL-80 Brown Silicone Elastomer
DOT Hazardous Class: Non-Regulated Material
DOT UN Number: Non-Regulated Material
DOT Packing Group: Non-Regulated Material Non-Regulated Material
DOT Reportable Quantity (lbs): Not available.
Note: No additional remarks.
Marine Pollutant: No.

TDG (Canada):
TDG Shipping Name: LSL-80 Brown Silicone Elastomer
Hazard Class: Non-Regulated Material
UN Number: Non-Regulated Material
Packing Group: Non-Regulated Material
Note: No additional Remarks
Marine Pollutant: No.

SECTION 15: REGULATORY INFORMATION

U.S. TSCA Inventory Status: All components of this product are on the Toxic Substances Control Act (TSCA) Inventory List.
Canadian DSL Inventory Status: All components of this product are on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.
Note: Not available.

U.S. Regulatory Rules:

California Proposition 65: This product may contain chemicals or produce chemicals when heated known to the state of California to cause cancer, birth defects or other reproductive harm.

WHMIS Hazardous Classification:
Carcinogen (Inhalation) – Category 1A
Specific Target Organ Toxicity (Lungs) Systemic Toxicity (Repeated Exposure) – Category 1
Reproductive Toxicity – Category 2

Hazard Pictograms:

SECTION 16: OTHER INFORMATION

Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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End of SDS.