

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Aqueous PolyDiMethylSiloxane emulsion

Product Number: SE-160 Silicone Emulsion

Relevant identified uses of the substance or mixture:

Ingredient in Automotive, household products; Lubricant; Mold release

Restrictions on use: Industrial Use ONLY

1.2 Details of the supplier of the safety data sheet

Manufactured/Supplied by Silsource Inc.

ADDRESS: 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6

CHEMICAL EMERGENCY ONLY (PHONE): CANUTEC (613) 996-6666 [24 Hr.]

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

OSHA/HCS Status: This Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

WHMIS Status: This Material is considered hazardous by under WHMIS 2015

GHS Classification

Health Hazard(s): Serious Eye Damage / Eye Irritation: Category 2A

2.2 GHS Labelling

Label elements

Pictogram:



Signal Word: Warning

Hazard statement(s): Causes serious eye irritation

Precautionary statement(s)

Prevention: Wash hands thoroughly after handling
Wear protective clothing / eye protection
Avoid release to the environment

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. If eye irritation persists: Get medical attention
Collect spillage

Storage: Keep from Freezing. Store between 4°C and 27°C in a cool, dark place out of direct sunlight

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: This product contains methylpolysiloxanes which can generate formaldehyde at approximately 150°C (300°F) and above, in atmospheres that contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

2.3 Other hazards which do not result in classification : (NFPA Classification)

NFPA grade (0 ~ 4 level) Health: 1, Flammability: 0, Reactivity: 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following Hazardous Ingredients, all other ingredients are considered proprietary

Component	CAS No.	Concentration
Ethoxylated Octylphenol, Branched	9002-93-1	1-5%

SECTION 4: FIRST AID MEASURES
4.1 Description of first aid measures

If inhaled:	Move to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact:	Wash off with soap and plenty of water.
In case of eye contact:	In the case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
If swallowed:	Rinse mouth. Get medical attention immediately and show attending Doctor this Safety Data Sheet.
Most important symptoms and effects, both acute and delayed:	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical Attention and special treatment Needed:	Treat symptomatically.
General advice:	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIRE-FIGHTING MEASURES
5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂), Dry chemical powder, Foam, Water spray

Unsuitable extinguishing media None Known

5.2 Special hazards arising from the substance or mixture None Known

5.3 Advice for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool fire exposed containers. Move containers from fire area if you can do so without risk

5.4 Further information Use water spray to cool unopened containers. No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. The ground may be slippery.

6.2 Environmental precautions

Prevent further spillage or leakage if safe to do so. Contain any fluid that runs out using suitable material. Prevent from entering drains or water sources.

6.3 Methods and materials for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. Contain larger amounts and pump into suitable containers. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE
7.1 Precautions for safe handling

Avoid contact with skin and eyes. Spilled substance increases risk of slipping.

7.2 Conditions for safe storage, including any incompatibilities

Store between 4 - 27°C (40 - 80°F). Protect against Sun & Frost. Do not allow this material to freeze. Allowing temperature to exceed 27°C (80°F) can cause instability of the material.

7.3 Specific end uses

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters

Occupational Exposure Limit: UNK

Biological Limit: UNK

8.2 Exposure controls
Appropriate engineering controls

General Ventilation. Provide eyewash station.

Personal protective equipment
Eye/face protection

Safety goggles

Skin protection/ Body Protection

Nitrile or rubber gloves. Washing at mealtime and end of shift is adequate.

Respiratory protection

No personal respiratory protective equipment is normally required. If deemed required select NIOSH/MSHA approved equipment.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Milky White
Odor:	Odourless
Odor threshold:	UNK (ppm)
pH:	No data available.
Melting point /freezing point(°C):	~0(°C) ~32(°F)
Boiling point (°C):	No data available.
Flash point (°C) (closed cup):	No data available.
Flammability (solid, gas):	Not Flammable.
Flammability limit-upper[% (V/V)]:	ND.
Flammability limit-lower [% (V/V)]:	ND.
Vapor pressure (20°C) (MM/HG):	No data available.
Vapor density (air=1):	No data available.
Evaporation rate:	No data available.
Relative density(water):	~1
Solubility:	
Solubility (water):	Dilutable
Solubility (other):	UNK

Partition coefficient(n-octanol/water):	UNK
Autoignition temperature(°C):	UNK
Decomposition temperature(°C):	UNK
Viscosity:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Chemical stability

This mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

It is not expected the mixture will react or polymerize, releasing excess pressure or heat, or creating other hazardous conditions.

10.4 Conditions to avoid

Avoid contact with strong oxidizers. Avoid excessive heat for prolonged periods of time.

10.5 Incompatible materials

There are no known chemicals with which this mixture could react to produce a hazardous situation.

10.6 Hazardous decomposition products

The following decomposition products may form during fire or at very high temperatures: Carbon Oxides, Silicon dioxide, Formaldehyde

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure:

Inhalation:	No data available.
Ingestion:	No data available.
Skin contact:	Skin Contact.
Eye contact:	Eye Contact.

Information on toxicological effects: No data available.

Acute toxicity

Not classified based on available information.

Route of Exposure	Result/Effect	Species	Source
Oral	LD50: >10840 mg/Kg	Rat	Conclusion by analogy

Skin corrosion/irritation:

Not Classified as irritating to the skin. May cause mild irritation.

Serious eye damage/ eye irritation:

Classified as Category 2A Eye Irritant. Causes serious eye irritation.

Respiratory or skin sensitization:

No data available. Sensitizing effects not expected.

Germ cell mutagenicity:

Not classified based on available information.

Carcinogenicity:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

Reproductive toxicity:

The product is not considered to be toxic for development.

Specific target organ toxicity-single exposure:

Not classified based on available information.

Specific target organ toxicity-repeated exposure:

Not classified based on available information.

Aspiration hazard:

No data available.

Likely Routes of Exposure:	Skin and Eye contact.
Related Symptoms:	None Known
Acute Health Effects:	
Delayed Effects:	No adverse effects are normally expected.
Immediate Effects:	Causes irritation when in contact with eyes.
Chronic Health Effects:	
Delayed Effects:	No adverse effects are normally expected.
Immediate Effects:	No adverse effects are normally expected.

SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity:	Not Classified based on available information.
Chronic toxicity:	Not Classified based on available information.
Persistence and degradability:	Silicone content: Biologically not degradable. Absorbed by floating particles. Separation by sedimentation. Emulsifier: Readily biologically degradable.
Bioaccumulative potential:	No data available. No adverse effects expected.
Mobility in soil:	No data available. No adverse effects expected.
Other adverse effects:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Methods	
General information:	The user's attention is drawn to the possible existence of local regulations before disposal.
Disposal methods:	Dispose of waste in accordance with local laws and regulations by incineration in a special waste incinerator.
Packaging:	Contaminated packages should be as empty as possible. Containers may be recycled or re-used. Observe local/state/federal regulations.
Disposal needing attention:	No data available.

SECTION 14: TRANSPORT INFORMATION

14 International Regulation	
Road and Rail Transport (ADR/RID):	Not regulated.
Sea Transport (IMDG):	Not regulated.
Air Transport (IATA):	Not regulated.
Environmental hazards:	Hazardous to the Environment: no
Special precautions for user:	Relevant information in other sections have to be considered.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not regulated.

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES:	
TSCA	All ingredients are listed or exempt.
DSL	All ingredients are listed or exempt.
EINECS:	All ingredients are listed or exempt.
Sara Section 302:	None Found
Sara (311,312) Hazard Class:	None

Sara (313) Chemicals:

None

CPSC Classification:

None

EXPORT

Schedule B/HTSUS:

3910.00 Silicones in Primary Form

ECCN:

EAR99

Hazard Rating System

HMIS Rating

Health: 1

Flammability: 0

Reactivity: 0

SECTION 16: OTHER INFORMATION

NFPA

Health: 1

Flammability: 0

Reactivity: 0

NFPA Diamond



This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

C = ceiling limit

NEGL = negligible EST = estimated

NF = none found

NA = not applicable

UNK = unknown NE = none established

REC = recommended

ND = none determined

V = recommended by vendor

SKN = skin

TS = trade secret

R = recommended

MST = mist

NT = not tested

STEL = short term exposure limit

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far beyond the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

This SDS is compliant with the GHS requirements outlined at
http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html

Date Updated: 19/06/2018

Version: 1.0