

: 67762-95-2

Safety Data Sheet

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Name	Product identifier	%	GHS-US classification
(Epoxycyclohexylethyl)methylsiloxane-dimethylsiloxane copolymer	(CAS-No.) 67762-95-2	> 95	Eye Irrit. 2A, H319
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 3	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2B, H320 Repr. 2, H361 Aquatic Chronic 4, H413

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures	
Not applicable	
SECTION 4: First-aid measures	
4.1. Description of first aid measure	IS .
First-aid measures general	: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2. Most important symptoms and	effects (acute and delayed)
Symptoms/effects after inhalation	: No information available.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: No information available.
	d special treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measur	es
5.1. Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: None known.
5.2. Specific hazards arising from the	
Fire hazard	: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
5.3. Special protective equipment a	nd precautions for fire-fighters
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.
<b>SECTION 6: Accidental release n</b>	neasures
6.1. Personal precautions, protectiv	re equipment and emergency procedures
· · · · · · · · · · · · · · · · · · ·	· Wear protective equipment on described in Section 9
Protective equipment	: Wear protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with
	proper protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for conta	inment and cleaning up
For containment	<ul> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.</li> </ul>
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it.

Safety Data Sheet

6.4. Reference to other section		
See Heading 8. Exposure controls and	personal protection.	
SECTION 7: Handling and st	age	
7.1. Precautions for safe hand	g	
Precautions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist. Use only in well ventilated areas.	
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.	
7.2. Conditions for safe storag	including any incompatibilities	
Storage conditions	: Keep container tightly closed. Store in a cool area. Store in a dark area.	
Incompatible materials	: Amines. Oxidizing agent.	
Storage area		
SECTION 8: Exposure contro	s/personal protection	
8.1. Control parameters		
Octamethylcyclotetrasiloxane (556	57-2)	
AIHA WEE	TWA (ppm) 10 ppm	
Avoid all unnecessary exposure. Emer exposure. Hand protection: Neoprene or nitrile rubber gloves Eye protection:	ency eye wash fountains and safety showers should be available in the immediate vicinity of any potential	
Avoid all unnecessary exposure. Emer exposure. Hand protection: Neoprene or nitrile rubber gloves Eye protection: Chemical goggles. Contact lenses sho		
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Avoid all unnecessary exposure. Emerezposure. Hand protection: Neoprene or nitrile rubber gloves Eye protection: Chemical goggles. Contact lenses sho Skin and body protection: Wear suitable protective clothing Respiratory protection: Where exposure through inhalation ma cartridge) respirator. SECTION 9: Physical and ch	d not be worn  occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black  nical properties al and chemical properties  i Liquid  i Clear liquid.  i Liquid i Clear liquid. i No data available	
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Auto-ignition temperature

Flammability (solid, gas)

Decomposition temperature

Melting point

Boiling point

Flash point

Freezing point

Relative evaporation rate (butyl acetate=1)

: No data available

: No data available

No data availableNo data available

: < -60 °C

: > 205 °C : > 110 °C

Safety Data Sheet

Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.98
% Volatiles	: <5%
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 650 - 800 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Amines. Oxidizing agent.	
10.6. Hazardous decomposition products	
Organic acid vapors. Silicon dioxide.	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
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Octamethylcyclotetrasiloxane (556-67-2) LD50 oral rat	1540 mg/kg RTECS Number: GZ4397000
LD50 dermal rat	1770 mg/kg
LD50 dermal rabbit	794 µl/kg
LC50 inhalation rat (mg/l)	36 g/m <sup>3</sup> (Exposure time: 4 h)
ATE US (oral)	1540 mg/kg body weight
ATE US (dermal)	1770 mg/kg body weight
ATE US (vapors)	36 mg/l/4h
ATE US (dust, mist)	36 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
	None of the components in this product at concentrations >0.1% are listed by IARC, NTP,
	OSHA or ACGIH as a carcinogen.
Reproductive toxicity	: Not classified.
Specific target organ toxicity – single exposure	: Not classified
<b>.</b>	
Specific target organ toxicity – repeated	: Not classified
exposure	
Aspiration hazard	: Not classified

Safety Data Sheet

Symptoms/effects after inhalation	: No information available.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: No information available.
<b>SECTION 12: Ecological information</b>	
12.1. Toxicity	
Octamethylcyclotetrasiloxane (556-67-2)	
LC50 fish 1	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
Octamethylcyclotetrasiloxane (556-67-2)	
BCF fish 1	12400
Log Pow	5.1
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
	: No additional information available
SECTION 13: Disposal considerations	S
13.1. Disposal methods	
Sewage disposal recommendations	: Do not dispose of waste into sewer.
Product/Packaging disposal recommendations	: Incinerate. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	
Not regulated for transport.	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	: No supplementary information available.
Transport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Octamethylcyclotetrasiloxane (556-67-2)	
Listed on the United States TSCA (Toxic Substa	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.
(Epoxycyclohexylethyl)methylsiloxane-dimet	
Listed on the United States TSCA (Toxic Substa	
15.2. International regulations	
CANADA	

Octamethylcyclotetrasiloxane (556-67-2)

Listed on the Canadian DSL (Domestic Substances List)

Safety Data Sheet

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L	(Epoxycycionexylet	nyi)metnyisiloxan	e-dimethyisiloxane co	opolymer (67762-95-2)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

#### Octamethylcyclotetrasiloxane (556-67-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### **National regulations**

#### Octamethylcyclotetrasiloxane (556-67-2)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

- Listed on INSQ (Mexican National Inventory of Chemical Substances)
- Listed on CICR (Turkish Inventory and Control of Chemicals)

#### (Epoxycyclohexylethyl)methylsiloxane-dimethylsiloxane copolymer (67762-95-2)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

#### SECTION 16: Other information

Full text of H-phrases::	
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H320	Causes eye irritation
H361	Suspected of damaging fertility or the unborn child
H413	May cause long lasting harmful effects to aquatic life
	Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.
Hazard Rating Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Prepared by safety and environmental affair	S.

Date of issue: 10/30/2014 Revision date: 01/22/2018 Version: 2.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Safety Data Sheet

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