

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	SES 0.5 Spray Foam B-Component
CAS No.	Mixture

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

Identified Use(s)	Component for the manufacture of polyurethane polymers
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	SES Foam LLC 4008 Louetta Road #538 Spring, Texas 77388 United States of America www.sesfoam.com
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Telephone	(713) 239-0252
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Emergency telephone number

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887
(Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Irrit. 2; Eye Dam. 1
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Label elements

Hazard Symbol



Signal Word(s)

DANGER

Hazard Statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary Statement(s)

Prevention	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash (hands and exposed skin) thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection.
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Response

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P332+P313: If skin irritation occurs: Get medical advice/attention. P363: Wash contaminated clothing before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Get immediate medical advice/attention.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER/doctor.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Storage

None

Disposal

P501: Disposal should be in accordance with local, state or national legislation.

Other hazards

Harmful to aquatic life with long lasting effects.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Chlorinated phosphate ester	22 - 26	Trade Secret	Acute Tox. 4; H302
Surfactant	11 - 18	Trade Secret	Acute Tox. 4; H302, H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411
Proprietary amine	1 - 8	Trade Secret	Flam. Liq. 4; H227 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318
Proprietary amine	1 - 5	Trade Secret	Acute Tox. 3; H311 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318
Proprietary amine	0.5 - 4	Trade Secret	Flam. Liq. 4; H227 Acute Tox. 3; H311 Acute Tox. 4; H302, H332 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 3; H402
Polyol resin	< 40	Trade Secret	Not classified as dangerous for supply/use.
Proprietary silicone polymer	0.5 - 2	Trade Secret	Not classified as dangerous for supply/use.
Water	< 30	7732-18-5	Not classified as dangerous for supply/use.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. Get medical advice/attention if you feel unwell.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Most important symptoms and effects, both acute and delayed	Causes serious eye damage.
Indication of any immediate medical attention and special treatment needed	IF SWALLOWED: Immediately call a POISON CENTER/doctor.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media	Extinguish with water spray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture

None

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection.

Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections Additional Information

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

-Storage temperature	Store at room temperature. Keep container tightly closed and in a well-ventilated place. Store locked up.
-Incompatible materials	Isocyanates

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Bis (2-Dimethylaminoethyl) ether	3033-62-3	-----	0.05 ppm	-----	0.15 ppm	-----

- STEL: Short Term Exposure Limit

Exposure controls

Appropriate engineering controls

Not normally required

Personal protection equipment

Eye/face protection



Goggles giving complete protection to eyes.

Skin protection (Hand protection/ Other)



Gloves (PVC, Neoprene, or Natural rubber)

Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Clear to amber
Odor	Slightly ammoniacal
Odor Threshold (ppm)	Not available.
pH (Value)	~10
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	>93.33 (>200 °F)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (Pascal)	Negligible @ 25 °C
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Specific Gravity	1.09 @ 25 °C

Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt)	~ 183 @ 25 °C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	This product will react with isocyanates. The reaction is very exothermic and may produce excessive amounts of heat.
Conditions to avoid	Incompatible materials.
Incompatible materials	Isocyanates.
Hazardous decomposition product(s)	Combustion or thermal decomposition will evolve toxic and irritant vapours; acrid smoke. Carbon monoxide, Carbon dioxide, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION
Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects (by analogy with similar materials):

Acute toxicity (estimated / calculated)	Oral: LD50: > 2000 mg/kg (rat) Dermal: LD50: > 2000 mg/kg (rabbit) Inhalation: LC50: > 5 mg/L (4 hr) (rat) (aerosol)
Corrosivity / Irritation	Causes skin irritation. Causes serious eye damage.
Sensitization	Not to be expected.
Repeated dose toxicity	Not to be expected.
Mutagenicity	Not to be expected.
Carcinogenicity	Not to be expected.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Toxicity for reproduction	Not to be expected.
Other information	None known.

SECTION 12: ECOLOGICAL INFORMATION
Ecotoxicity

Acute toxicity (estimated / calculated)	LC50(96 hour): >100 mg/l (fish) EC50(48 hour): >100 mg/l (Daphnia magna) EC50 (72 hour):> 100 mg/l (algae)
Long Term Toxicity	Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data.

Bioaccumulative potential

No data.

Mobility in soil	No data.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name	Not classified as dangerous for transport.		
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories:

Fire
 Sudden Release
 Reactivity
 Immediate (acute)
 Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: January 2, 2017

Hazard Statement(s) Listed in: SECTION 3

H227: Combustible liquid.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H402: Harmful to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Additional Information: None.

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