

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	Nexseal™ 2.0, 2.0W, 2.0 LE, 2.0 LE W
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
------------------------	---

Telephone	(713) 239-0252
-----------	----------------

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)	Eye Dam. 1; Skin Irrit. 2
-----------------------------	---------------------------

Label elements

Hazard Symbol



Signal Word(s)

DANGER

Hazard Statement(s)

H318: Causes serious eye damage.

H315: Causes skin irritation.

Precautionary Statement(s)

Prevention

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash (hands and exposed skin) thoroughly after handling.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water. 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+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically.

	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	May cause an allergic skin reaction to those already sensitized.
Additional Information	Harmful to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	* %W/W	CAS No.	Hazard Statement(s)
Proprietary polyols	5 - 20	Trade Secret	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319
Surfactant	1 - 5	Trade Secret	Acute Tox. 4; H302, H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411
Ethylene glycol	1 - 5	107-21-1	Acute Tox. 4; H302

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

Additional Information - May cause an allergic skin reaction to those already sensitized.

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	Wash with plenty of soap and water. If skin irritation occurs, get medical advice/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	Get medical advice/attention if you feel unwell. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	Causes serious eye damage. May cause an allergic skin reaction to those already sensitized.
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 Contains gas under pressure; may explode if heated.

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 None
Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Wear protective gloves/protective clothing/eye protection/face protection.
 Wash hands and exposed skin after use.

Conditions for safe storage, including any incompatibilities

-Storage temperature Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed and in a well-ventilated place.
 -Incompatible materials Isocyanates. Oxidizing agents.

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)	
Ethylene glycol	107-21-1	-----	-----	-----	100 mg/m ³	Ceiling*

- STEL: Short Term Exposure Limit; * Aerosol only

Exposure controls

Appropriate engineering controls Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

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.	Light brown
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)	~68947
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Specific Gravity (g/ml)	1.23
Solubility (Water)	Slightly 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)	~569 @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. Oxidizing agents.

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 (rat)

Corrosivity / Irritation

Causes skin irritation. Causes serious eye damage.

Sensitization

It is not a skin sensitiser. May cause an allergic skin reaction to those already sensitized.

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)

Not to be expected.

Long Term Toxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

Not readily biodegradable.

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

Transport hazard class(es)

Not classified as dangerous for transport.

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: September 5, 2016

Hazard Statement(s) Listed in: SECTION 3

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H411: Toxic to aquatic life with long lasting effects.

Additional Information: None.

The descriptions, data, designs and information contained herein are presented in good faith and believed to be accurate. This information is provided for guidance ONLY. Many factors will affect the processing or application of SES Foam LLC products, it is necessary that you make tests to determine ultimate suitability for SES Foam LLC products for your particular application. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described, data or designs presented. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. You expressly agree to release SES Foam LLC from all liability in tort or contract based on the technical information provided. All such information is accepted at your own risk.