

SAFETY DATA SHEET

According to Canada's Hazardous Products Regulations (HPR) SOR/2015-17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	PSI HiLift - Resin
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

Manufactured By:	SES Foam LLC 4008 Louetta Road #538 Spring, Texas 7738 United States of America www.sesfoam.com Telephone: (713) 239-0252
Distributed By:	Polysource Industries Inc. 1 – 19725 Telegraphy Trail Langley, British Columbia V1M 3E6 Canada www.polysource.com Telephone: (877) 986-8688 (713) 239-0252
Telephone	

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

HPR/WHIMIS 2015/GHS Classification	Eye Dam. 1; Skin Irrit. 2
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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.
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Response

P302+P352: IF ON SKIN: Wash with plenty of 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/doctor 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)
Polyol blend of Poly(oxy(methyl-1,2-ethanediyl)), alpha,alpha',alpha"-1,2,3-propanetriyltris(omega-hydroxy-; Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-, ether with beta-D-fructofuranosyl alpha-D-glucopyranoside; and Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-, ether with beta-D-fructofuranosyl alpha-D-glucopyranoside and 1,2,3-propanetriol	5 - 20	25791-96-2 9049-71-2 56731-02-3	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319
Nonylphenol polyethylene glycol ether	1 - 5	127087-87-0	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

Gently 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
- Unsuitable Extinguishing Media

Extinguish with water spray, dry chemical, sand or carbon dioxide.
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
Additional Information**

None
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:
		OEL (Canada)	TLV (ACGIH)	OEL (Canada)	TLV (ACGIH)	
Ethylene glycol	107-21-1	-----	-----	127 mg/m3	100 mg/m3	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. Contains: <1% 1,2-Dimethylimidazole (CAS# 1739-84-0). 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 (TDG)	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:

This product has been classified in accordance to CPR Section 12 and the MSDS contains all the information required by the CPR.

Canada (DSL/NDL) - All chemicals listed.

SECTION 16: OTHER INFORMATION

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

Date of preparation: June 2, 2017

Hazard Statement(s) Listed in: SECTION 3

- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H373: May cause damage to organs through prolonged or repeated exposure: Oral, kidney
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

Additional Information: None.

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