



Igloo Foam OC HY Safety Data Sheet

1. Identification of Substance

Product Name:

Igloo Foam OC HY

Product Use:

Polyurethane Polyol Component

Supplier Information:

Supplier Identification:

Spray Foam Outlets, LLC

Supplier Address:

PO Box 1182

New Canaan, CT 06840

Telephone:

(855) 362-6863

24-Hour Emergency Phone Number:

CHEMTREC: (800) 424-9300

INTERNATIONAL: +1 (703) 527-3887

2. Hazards Identification

GHS Ratings:

Oral Toxicity Acute Toxicity	4
Inhalation Toxicity Acute Toxicity	4
Skin Corrosive	2
Eye corrosive	1
Aquatic toxicity	C3

GHS Hazards:

H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H332 Harmful if inhaled
H412 Harmful to aquatic life with long lasting effects

GHS Precautions:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well-ventilated area

P273 Avoid release to the environment

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

P310 Immediately call a POISON CENTER in case of overexposure.

P312 Call a POISON CENTER or doctor/physician if you feel unwell

P321 Specific treatment is urgent (see Section 4 First Aid measures)

P330 Rinse mouth

P362 Take off contaminated clothing and wash before reuse

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302+P352 IF ON SKIN: Wash with soap and water

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do – continue rinsing

P332+P313 If skin irritation occurs: Get medical advice/attention

P501 Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word(s):

Danger

Pictograms:



3. Composition/Data on Components

<u>Chemical Name</u>	<u>Cas Number</u>	<u>% Concentration</u>
tris(2-chloro-1 -methylethyl) phosphate	13674-84-5	20-25%
Polyether Polyol	9082-00-2	15-20%
Polyether Polyol	9049-71-2	5-10%
4-Nonylphenol branched, ethoxylated	127087-87-0	5-10%
2-[[2-(Dimethylamino)ethyl]methylamino]ethanol	2212-32-0	1-5%
1,3-Propanediamine,N'-[3-(dimethylamino)propyl]-N,Ndimethyl-	6711-48-4	1-5%
2-(2-(dimethylamino)ethoxy)ethanol	1704-62-7	1-5%



Block copolymer of dimethylsiloxane and a polyoxyalkylene	Not Available	1-5%
Polyether Polyol	25791-96-2	1-5%

4. First Aid Measures

After skin contact:

Clean the affected area with soap and plenty of water.

After eye contact:

Rinse open eye(s) for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing. If irritation persists, contact the physician.

After inhalation:

If inhaled and symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

After swallowing:

Consult a physician.

5. Fire Fighting Measures

Suitable extinguishing agents:

Water spray, CO₂, Foam, Dry chemical.

Special protective equipment for firefighters:

Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

Protection against explosions and fires:

Keep away from flames and sources of heat. Closed containers may rupture when exposed to extreme heat.

Dangerous products of decomposition:

Oxides of carbon, oxides of nitrogen, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas.

6. Accidental Release Measures

Personal safety precautions:

Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary personnel away from the spill area. Avoid contact with skin and eyes.

Measures for environmental protection:



Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

Measures for cleaning/collecting:

Small spills:

Absorb with earth, sand, or other absorbent material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

Large spills:

Stop the flow of material if safe to do so. Dike the spilled material where possible. Use an absorbent material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Following product recovery, flush the area with water.

7. Handling and Storage

Information for safe handling:

Avoid contact with eyes, skin, or inhalation.

Information for safe storage:

Store in a dry, well-ventilated area. Keep containers tightly closed. Store between 50°F - 80°F. Material may settle. Refer to Igloo Foam training manual.

Regulatory Requirements:

Obey all local, state, and federal requirements.

8. Exposure Controls and Personal Protection

<u>Chemical Name/ CAS</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
tris(2-chloro-1 -methylethyl) phosphate/13674-84-5	Not Established	Not Established	Not Established
Polyether Polyol/9082-00-2	Not Established	Not Established	Not Established
Polyether Polyol/9049-71-2	Not Established	Not Established	Not Established
4-Nonylphenol branched, ethoxylated/ 127087-87-0	Not Established	Not Established	Not Established
2-[[2-(Dimethylamino)ethyl]methylamino]eth anol/2212-32-0	Not Established	Not Established	Not Established



1,3-Propanediamine,N'-[3-(dimethylamino)propyl]-N,Ndimethyl-/6711-48-4	Not Established	Not Established	Not Established
2-(2-(dimethylamino)ethoxy)ethanol/ 1704-62-7	Not Established	Not Established	Not Established
Block copolymer of dimethylsiloxane and a polyoxyalkylene	Not Established	Not Established	Not Established
Polyether Polyol/25791-96-2	Not Established	Not Established	Not Established

Engineering controls:

No specific measures required if proper PPE precautions are followed.

General protective and hygienic measures:

Usual precautionary measures should be adhered to when handling chemicals.

Respiratory protection:

In spray applications, an organic vapor/particulate respirator or air supplied unit is necessary. Refer to Igloo Foam safety training manual.

Protection of Hands:

Protective chemical resistant gloves. Refer to Igloo Foam safety training manual.

Eye Protection:

Chemical resistant goggles must be worn. Refer to Igloo Foam safety training manual.

Body Protection:

Protective work clothing where the full body should be covered. Launder separately. Refer to Igloo Foam safety training manual.

Contaminated Gear:

Observe local requirements. Dispose of in accordance with local/state/federal regulations.

9. Physical and Chemical Properties

Appearance: Amber liquid

Odor: Amine odor

Vapor Pressure: N/A

Odor threshold: N/A

Vapor Density: N/A

pH: N/A

Specific Gravity/Relative Density: 1.13

Melting point: N/A

Freezing point: N/A



Solubility: N/A
Boiling range: 342 - 647°F
Flash point: 392°F
Evaporation rate: N/A
Flammability: N/A
Explosive limits: N/A
Partition coefficient: N/A
Autoignition temperature: N/A
Decomposition temperature: N/A

10. Stability and Reactivity

Chemical Incompatible Materials:

Avoid contact with isocyanates and strong oxidizing agents.

Hazardous Polymerization:

Not expected to occur.

Dangerous Products of Decomposition:

Oxides of carbon, oxides of nitrogen, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride.

11. Toxicological Information

Mixture Toxicity

Oral toxicity LD50: 1,657 mg/kg
Dermal toxicity: 2,661 mg/kg
Inhalation toxicity LC50: 20 mg/L

Acute Toxicity:

Eyes: Corrosive to eyes.

Skin: Irritating to skin.

Inhalation: Not expected to be a route of exposure.

Ingestion: Harmful if swallowed. Consult a physician.

Chronic Effects: Possible harmful target organ effects.

Routes of Entry: Ingestion, skin contact, eye contact.

Target Organs: Skin, eyes, kidneys

Chemicals with Known or Possible Carcinogenic Effects: None

12. Ecological Information

General Information:



No adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13.

13. Disposal Considerations

Recommendation:

Observe local requirements. Dispose of in accordance with local/state/federal environmental control laws.

Empty Container Precautions:

Empty containers retain product residue; observe all precautions for the product. Do not heat or cut empty containers with an electric or gas torch because highly toxic vapors and gasses are formed. Do not reuse without thorough commercial cleaning and reconditioning. If a container is to be disposed of, ensure all product residues are removed and the container is empty prior to disposal. Contact the Reusable Industrial Packaging Association (RIPA) at 301-577-3786 to find a drum reconditioner in North America (www.reusablepackaging.org).

14. Transport Information

DOT Regulated Components:

This product is not regarded as a dangerous good according to the national and international regulations on the transport of dangerous goods.

15. Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD:

This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 302 Extremely Hazardous Substances:

None

SARA 311/312 Hazard Categories:

Acute health hazard, chronic health hazard.

Chemicals subject to SARA 313 Reporting:

4-Nonylphenol branched, ethoxylated	127087-87-0	10-15%	Emissions
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Massachusetts Right To Know List:

None

New Jersey Right To Know List:

4-Nonylphenol branched, ethoxylated	127087-87-0	10-15%	Emissions
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Pennsylvania Right To Know List:

4-Nonylphenol branched, ethoxylated 127087-87-0 10-15% Emissions

Country

Canada

US

Regulation

Canada DSL

Toxic Substances Control Act

All Components Listed

Yes

Yes

16. Other Information

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Spray Foam Outlets. The data on these sheets relates only to the specific material designated herein. Spray Foam Outlets assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

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