SECTION 1: Identification

1.1. Product identifier
Product form : Mixture
Trade name : ProSeal HX
Product Code : F5111

1.2. Recommended use and restrictions on use
Recommended uses and restrictions : Spray foam insulation
Recommended use : Insulation foams, Professional use, Consumer use

1.3. Supplier
Icynene-Lapolla
6747 Campobello Road
Mississauga, ON
L5N 2L7 Canada
Tel: 1-800-636-2648
Email: sdsinfo@icynene-lapolla.com

1.4. Emergency telephone number
Emergency number : CARECHEM (866) 928-0789

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
Classification (GHS-CA)
Skin corrosion/irritation, Category 2 : Causes skin irritation.
Serious eye damage/eye irritation, Category 1 : Causes serious eye damage.
Specific target organ toxicity — Repeated exposure, Category 2 : May cause damage to organs through prolonged or repeated exposure.

2.2. GHS Label elements, including precautionary statements
GHS-CA labelling
Hazard pictograms (GHS-CA) :  

Signal word (GHS-CA) : Danger
Hazard statements (GHS-CA) : Causes skin irritation.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (GHS-CA) : Do not breathe mist, vapours, spray.
Wash hands thoroughly after handling.
Wear protective clothing, eye protection, face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.
Get medical advice/attention if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to local, regional, and/or international regulations

2.3. Other hazards not contributing to the classification
other hazards which do not result in classification : No additional information available.

2.4. Unknown acute toxicity (GHS-CA)
No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

SECTION 4: First-aid measures

4.1. Description of first aid measures

| First-aid measures after inhalation | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after skin contact | Wash skin with plenty of water. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice. |
| First-aid measures after ingestion | If accidentally swallowed obtain immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person. |
| First-aid measures general | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |

4.2. Most important symptoms and effects (acute and delayed)

| Symptoms/effects | May cause damage to organs through prolonged or repeated exposure. |
| Symptoms/effects after inhalation | Overexposure may be irritating to the respiratory system. |
| Symptoms/effects after skin contact | Causes skin irritation. |
| Symptoms/effects after eye contact | Causes serious eye damage. |
| Symptoms/effects after ingestion | May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |
4.3. Immediate medical attention and special treatment, if necessary

Note to physician: Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media


5.2. Unsuitable extinguishing media

Unsuitable extinguishing media: Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

- Fire hazard: Thermal decomposition can lead to the release of irritating gases and vapours. Toxic and corrosive vapours may be released.
- Explosion hazard: No direct explosion hazard.

5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures: Stop leak if safe to do so.
- Prevention Measures for Secondary Accidents: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Provide good ventilation in process area to prevent formation of vapour. Avoid all unnecessary exposure. Avoid contact with skin and eyes.

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
- Incompatible materials: Strong acids. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure adequate ventilation. Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

- Hand protection: Wear impermeable gloves.
- Eye protection: Chemical goggles or face shield
- Skin and body protection: Long sleeved protective clothing
Respiratory protection:
Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Liquid
- Appearance: Clear.
- Colour: Colourless
- Odour: characteristic
- Odour threshold: No data available
- pH: No data available
- Relative evaporation rate (butylacetate=1): No data available
- Relative evaporation rate (ether=1): No data available
- Melting point: No data available
- Freezing point: No data available
- Boiling point: No data available
- Flash point: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): Not applicable
- Vapour pressure: No data available
- Vapour pressure at 50 °C: No data available
- Relative density: No data available
- Solubility: No data available
- Log Pow: No data available
- Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

- Reactivity: No dangerous reactions known under normal conditions of use.
- Chemical stability: Stable under normal conditions of use.
- Possibility of hazardous reactions: No polymerization. No dangerous reactions known.
- Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
- Incompatible materials: Strong acids. Strong bases.
- Hazardous decomposition products: No hazardous decomposition products known at room temperature. Thermal decomposition can lead to the release of irritating gases and vapours. Toxic and corrosive vapours may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)
- Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)
- Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Route</th>
<th>ATE CA (oral)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2'-oxybisethanol; diethylene glycol (111-46-6)</td>
<td>oral</td>
<td>500 mg/kg bodyweight</td>
</tr>
<tr>
<td>1,3-Propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl- (3855-32-1)</td>
<td>oral</td>
<td>500 mg/kg bodyweight</td>
</tr>
<tr>
<td>Tris(2-chloroisopropyl) phosphate (124473-77-4)</td>
<td>oral</td>
<td>500 mg/kg bodyweight</td>
</tr>
</tbody>
</table>
SECTION 1: Identification

1.1. Product identifier: ProSeal X
1.2. Other identifiers: Safety Data Sheet
1.3. Supplier's name and address
1.4. Address for information requests
1.5. Emergency telephone number

SECTION 2: Hazard(s)

2.1. Hazard classification
LD50 oral rat: 242 mg/kg
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl- (33329-35-0)
ATE CA (dermal): 1100 mg/kg bodyweight
Cyclohexanamine, N-cyclohexyl-N-methyl- (7560-83-0)
LD50 oral rat: 446 mg/kg

SECTION 3: First aid measures

3.1. Spill procedures
3.2. Fire-fighting measures
3.3. Special protective equipment

SECTION 4: Substance and/or mixture

4.1. Description
4.2. Physical and chemical properties
4.3. Stability
4.4. Reactivity

SECTION 5: Stability and reactivity

5.1. Stability
5.2. Reactivity

SECTION 6: Precautions for safe handling and use

6.1. Precautions
6.2. Fire and explosion hazards
6.3. Reactions in fire
6.4. Special protective equipment
6.5. Personal protective equipment
6.6. Safety and health information

SECTION 7: Handling and storage

7.1. Handling
7.2. Storage

SECTION 8: Exposure limits

8.1. OSHA exposure limit
8.2. ACGIH exposure limit
8.3. Other

SECTION 9: Human health effects

9.1. Route of entry
9.2. Symptoms/effects
9.3. Acute effects
9.4. Chronic effects

SECTION 10: Stability

10.1. Stability
10.2. Reactivity

SECTION 11: Toxicological information

11.1. Toxicokinetics
11.2. Toxicological endpoints

SECTION 12: Ecological information

12.1. Toxicity
12.2. Persistence and degradability
12.3. Bioaccumulative potential
12.4. Mobility in soil
12.5. Other adverse effects

SECTION 13: Disposal considerations

13.1. Disposal methods
13.2. Recycling

SECTION 14: Transport information

14.1. Basic shipping description
14.2. Transport Information/DOT

Other information:
Likely routes of exposure: ingestion, inhalation, skin and eye.
### Section 15: Regulatory information

#### 15.1. National regulations

<table>
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<th>Listations</th>
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<td>2,2’-oxybisethanol; diethylene glycol (111-46-6)</td>
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<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>Poly[oxymethyl-1,2-ethanediyl], alpha-2-aminomethyl-ethyl-</td>
<td>omega-2-aminomethylethoxy) (9046-10-0)</td>
</tr>
<tr>
<td>1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N’,N’-dimethyl- (33329-35-0)</td>
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#### 15.2. International regulations

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<tr>
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<td>Listed on the Japanese ENCS (Existing &amp; New Chemical Substances) inventory</td>
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**SECTION 16: Other information**

**Date of issue**: 1 August 2018

**Other information**: None.

**Full text of H-statements:**

<table>
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<tr>
<th>H Statement</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>

**SDS Canada (GHS)**

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