1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: HydroSeal H2O Urethane Part A

Recommended uses: Decorative coating/sealer for various substrates.

Restrictions on uses: None identified

Supplier: Maxxon Corporation, 920 Hamel Road • PO Box 253 • Hamel, MN 55340

Company Telephone/Fax: (763) 478-9600 / (763) 478-2431

Emergency Telephone Number: (800) 424-9300 (CHEMTREC)

Other Identification: Aliphatic Isocyanate

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

- Resp. Sens. 1
- Acute Tox. 4
- Skin Sens. 1
- STOT SE 3

Hazard pictograms (GHS-US)

Signal word (GHS-US) Danger

Hazard statements (GHS-US)

- H332 - Harmful if inhaled
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H317 - May cause an allergic skin reaction
- H335 - May cause respiratory irritation

Precautionary statements (GHS-US)

- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P284 - In case of inadequate ventilation wear respiratory protection
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P304+P340 - If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing
- P302+P352 - If on skin: Wash with plenty of water
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed
- P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Hazard description:

CAUTION! Contains Isocyanates. Harmful if inhaled. May cause skin, eye and respiratory tract irritation. Possible sensitizer. Reacts with water, alcohols, based and amines and releases large amounts of carbon dioxide gas.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>%</th>
<th>PRODUCT IDENTIFIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homopolymer of HDI</td>
<td>99.0%</td>
<td>(CAS-No.) 28182-81-2</td>
</tr>
<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>&lt;1.0%</td>
<td>(CAS-No.) 822-06-0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice: Remove contaminated clothing

If Inhaled: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on the skin: Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in the eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed: Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Most Important Symptoms/effects: No further information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting: Nitrous gases, fumes/smoke, isocyanate, vapor

Advice for fire-fighters: Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions: Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleanup: Dike spillage. For small amounts: Absorb isocyanate with suitable absorbent material. Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area.
7. HANDLING AND STORAGE

Precautions for safe handling: General advice: Mix thoroughly before use. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion: No explosion proofing necessary.

Conditions for safe storage:
General advice: Formation of CO2 and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

Suitable materials for containers: Carbon steel, High density polyethylene, low density polyethylene, stainless steel

Storage temperature: 50-95F, protect against moisture

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits:

- Hexamethylene-1,6- OSHA CLV 0.02 ppm
- Diisocyanate (HDI) ACGIH TWA value 0.005 ppm

Advice on system design:
Provide local exhaust ventilation to maintain recommended PEL

Personal Protective Equipment:

Respiratory protection:
For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life and Health, use NOISH-certified full face piece pressure demand self-contained breathing apparatus (SCBA) or a full face piece pressure demand supplied-air respirator (SAR) with escape provisions. When atmospheric levels may exceed the occupational exposure limit, NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as appropriate precautions and change out schedules are in place.

Hand protection:
Chemical resistant protective gloves, suitable materials, chloroprene rubber, chlorinated polyethylene, polyvinyl chloride, butyl rubber, flouroelastomer.

Eye protection:
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:
Suitable materials, saran-coated material.

General safety and hygiene measures:
Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.
9. PHYSICAL AND CHEMICAL PROPERTIES

- **Form:** liquid
- **Odor:** faint odor
- **Color:** colorless to light yellow
- **pH value:** NA
- **Boiling Point:** NA
- **Vapor pressure:** 0.00001 mm Hg @25°C
- **Bulk density:** 9.59 lbs./US gallon
- **% volatile by volume:** Negligible
- **Solubility in water:** Insoluble, reacts slowly with water to liberate CO2 gas.

10. STABILITY AND REACTIVITY

- **Conditions to avoid:** moisture, excessive heat
- **Substance to avoid:** water, alcohols, strong bases, substances that react with isocyanates.
- **Hazardous decomposition products:** carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapors.
- **Corrosion to metals:** No corrosive effect on metal.

11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

- **Acute toxicity:** LD/LC50 values: Not harmful by skin contact or if swallowed. Harmful by inhalation. Inhalation of vapors may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function.

<table>
<thead>
<tr>
<th>HEXAMETHYLENE DIISOCYANATE</th>
<th>Oral</th>
<th>LD50</th>
<th>&gt;5000 mg/kg (rat)(OECD 401)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>LC50(4h)</td>
<td>400 mg/m3 (rat)(OECD 401)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>&gt;7000 mg/kg (rat)(OECD 402)</td>
<td></td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

- **On the skin:** No irritating effect (OECD 404), rabbit
- **On the eye:** No irritating effect (OECD 405), rabbit
- **Inhalation:** may cause respiratory irritation
11. TOXICOLOGICAL INFORMATION  
Continued

Additional toxicological information:

- **Carcinogenic categories:** OSHA-Ca. Substance not listed
- **Sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Carcinogenicity:** not considered to be a carcinogen
- **Mutagenicity:** not considered to be genotoxic
- **Reproductive toxicity:** not considered hazardous to the reproduction

12. ECOLOGICAL INFORMATION

- **Aquatic toxicity:** Is not acutely harmful to aquatic organisms
- **Persistence and degradability:** Not biodegradable
- **Bioaccumulative Potential:** Not bioaccumulable
- **Mobility in soil:** Adsorption to solid soil phase is not expected.

13. DISPOSAL CONSIDERATIONS

- **Waste disposal of substance:** Incinerate or dispose of in a licensed facility. Do not discharge substance / product into sewer system.
- **Container disposal:** Containers must be emptied before disposal. Dispose containers in accordance with local government guidelines.

14. TRANSPORTATION INFORMATION

- **Land transport USDOT:** Not classified as a dangerous good
- **Sea transport IMDG:** Not classified as a dangerous good
- **Air transport IATA/ICAO:** Not classified as a dangerous good
- **Further Information:** When in individual containers of less than the product Reportable Quantity, this material ships as non-regulated.

15. REGULATORY INFORMATION

- **Sara Section 312:** Acute and Chronic health hazard
- **Section 355:** Substance not listed
- **Section 313:** ERCLA RQ 100 lbs. for hexamethylene diisocyanate
- **Carcinogenic categories**
  - **EPA:** not listed
  - **IARC:** not listed
  - **NTP:** not listed
  - **TSCA listing:** Listed
- **California Prop. 65:** This product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.
16. OTHER INFORMATION

HMIS Rating:

Flammability

Health

Physical Hazard

Special