

# Safety Data Sheet



**Trade Name:** US-206A

## SECTION 1. IDENTIFICATION

**Product Name:** US-206A  
**Chemical Name:**  
**Other means of identification:** Polyether/Polyol/Water Mixture  
**Recommended use of the chemical and restrictions on use:**  
**Recommended use:** Chemical intermediate for urethane polymer production  
**Recommended restrictions:** Uses other than as recommended above

**Company Name:** Urethane Sciences, LLC  
**Company Address:** 121 Cross Keys Road, Building E  
Berlin, NJ 08009  
**Company Telephone:** Phone: (856) 282-4506  
**Company Contact Email:** info@urethanesciences.com

**Emergency Phone:** ChemTrec (24 Hours): 1-800-424-9300  
(Outside of USA 202-366-4488)

## SECTION 2: HAZARD(S) IDENTIFICATION

### *Physical hazards*

No physical hazards identified under paragraph (d) of §1910.1200

### *Health hazards*

None identified under OSHA GHS §1910.1200.

### *Environmental hazards*

Not identified under OSHA GHS §1910.1200.

**GHS Signal word:** None

**GHS Hazard statement(s):** None

**GHS Hazard symbol(s):** None

**Precautionary statement(s):**

### **Prevention:**

Avoid contact with eyes

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

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Do not swallow

Wash thoroughly after handling

### **Response:**

If swallowed: Rinse mouth. Seek medical attention. Do not induce vomiting unless directed to do so by a physician.

If on skin: Wash thoroughly.

If inhaled: Move person to fresh air. If adverse effects occur, consult a physician.

If in eyes: Wash with large amount of water for at least several minutes. If effects occur, consult a physician.

### **Disposal:**

Dispose of contents/containers to an approved disposal site in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise Classified (HNOC):** None known

## **SECTION 3: Composition/Information on ingredients**

**Mixture:** Chemical intermediate for urethane polymer production

The ingredients are not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

The manufacturer has claimed one or more ingredients as trade secret under the OSHA Hazard Communication Standard.

## **SECTION 4: FIRST AID MEASURES**

**Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

**Inhalation:** Allow victim to breathe fresh air. Allow the victim to rest.

**Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms/effects, acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of immediate medical attention and special treatment needed:** No additional information available.

#### SECTION 5: FIRE FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):**  
No additional information available.

**Special protective equipment and precautions for fire-fighters:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Evacuate unnecessary personnel. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental Precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Notify authorities if liquid enters sewers or public waters. See Section 12, Ecological Information.

**Methods and materials for containment and 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. See Section 13, Disposal Considerations, for additional information.

#### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

**Conditions for safe storage, including any incompatibles:** Keep only in the original container in a cool, well ventilated place away from: Ignition sources. Direct sunlight. Strong bases. Strong acids. See Section 10 for more specific information.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Exposure limits have not been established for the substances listed in the composition

**Exposure controls**

**Engineering controls:** General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

**Individual protection measures**

**Eye/face protection:** Chemical goggles or safety glasses.

**Skin protection**

**Hand protection:** Wear protective gloves.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

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

**Respiratory protection:** Wear appropriate mask.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

|   |                    |
|---|--------------------|
| <b>Physical state:</b>                              | Liquid             |
| <b>Form:</b>  | Liquid             |
| <b>Color:</b>                                       | Colorless          |
| <b>Odor:</b>  | Mild               |
| <b>Odor threshold:</b>                              | Not available      |
| <b>pH:</b>  | Not available      |
| <b>Melting point/freezing point:</b>                | <-35 °C            |
| <b>Initial boiling point and boiling range:</b>     | 108 °C (1,013 hPa) |
| <b>Flash point:</b>                                 | does not flash     |
| <b>Evaporation rate:</b>                            | 0.8                |
| <b>Flammability (solid, gas):</b>                   | Not available      |
| <b>Upper/lower flammability or explosive limits</b> |                    |
| <b>Flammability limit – lower (%):</b>              | Not available      |
| <b>Flammability limit – upper (%):</b>              | Not available      |
| <b>Explosive limit – lower (%):</b>                 | Not available      |
| <b>Explosive limit – upper (%):</b>                 | Not available      |
| <b>Vapor pressure:</b>                              | 17.3 hPa (@ 20 °C) |
| <b>Vapor density:</b>                               | > 1                |
| <b>Relative density:</b>                            | No data available  |
| <b>Solubility (ies):</b>                            | Soluble            |

|   |  |
|---|--|
| <b>Partition coefficient (n-octanol/water):</b> | No data available                        |
| <b>Auto-ignition temperature:</b>               | No data available                        |
| <b>Decomposition temperature:</b>               | No data available                        |
| <b>Viscosity (dynamic):</b>                     | No data available                        |
| <b>% Volatile:</b>                              | Not volatile at or near room temperature |

**SECTION 10: STABILITY AND REACTIVITY**

|  |  |
|--|--|
| <b>Reactivity:</b>                         | Not available.   |
| <b>Chemical stability:</b>                 | Stable under normal ambient conditions and anticipated conditions of use.  |
| <b>Possibility of hazardous reactions:</b> | Hazardous reactions not anticipated with product alone.  |
| <b>Conditions to avoid:</b>                | Direct sunlight. Extremely high or low temperatures  |
| <b>Incompatible materials:</b>             | Strong acids. Strong bases. Hydroxyl compounds. Strong oxidizing agents.   |
| <b>Hazardous decomposition products:</b>   | After evaporation of water, combustion will generate: Carbon oxides Formaldehyde. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. This product may contain component(s) which can generate formaldehyde at approximately 300 degrees Fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and has been classified by the National Toxicology Program as a known human carcinogen |

**SECTION 11: TOXICOLOGICAL INFORMATION**

*Toxicological information appears in this section when such data is available.*

|                                     |  |
|-------------------------------------|--|
| Acute toxicity:                     | Not classified   |
| Skin corrosion/irritation :         | Not classified<br>(pH near neutral in isopropanol / water mixture) |
| Serious eye damage/irritation :     | Not classified<br>(pH near neutral in isopropanol / water mixture) |
| Respiratory or skin sensitization : | Not classified   |
| Germ cell mutagenicity :            | Not classified   |
| Carcinogenicity :                   | Not classified   |

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|---|--|
| Reproductive toxicity :                                 | Not classified   |
| Specific target organ toxicity:<br>(single exposure)    | Not classified   |
| Specific target organ toxicity:<br>(repeated exposure)  | Not classified   |
| Aspiration hazard :                                     | Not classified   |
| Potential Adverse human health effects and<br>symptoms: | Based on available data, the classification criteria are<br>not met. |

### SECTION 12: ECOLOGICAL INFORMATION

*Ecotoxicological information appears in this section when such data is available.*

#### **Toxicity**

##### **Acute toxicity to fish**

No data available

#### **Persistence and degradability**

**Biodegradability:** Not established

#### **Bioaccumulative potential**

**Bioaccumulation:** Not established

#### **Mobility in soil**

No data available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal methods:** Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

### SECTION 14: Transport Information

#### **US Department of Transportation Classification (49CFR)**

Not regulated for transport

#### **Maritime transport IMDG**

Not regulated for transport.

#### **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

No further relevant information available.

#### **Air transport ICAO-TI and IATA-DGR**

Not regulated for transport

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**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

No data available

**SECTION 15: REGULATORY INFORMATION**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All components are on the U.S. EPA TSCA Inventory List.

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

No components listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories:**

Fire Hazard

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed

**Section 311 hazardous chemical:** None listed

**SARA Section 313 (Specific toxic chemical listings):** None listed

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

|          |   |
|----------|---|
| Methanol | Maximum Allowable Dose Level<br>(MADL): 47000 µg/day<br>Developmental toxin |
|----------|---|

**US New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**

Polyalkylene Glycol  
Water  
Polyhydric Alcohol  
D-Mannitol  
Glutaraldehyde

**SECTION 16: OTHER INFORMATION**

Revision Date: October 1, 2020

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any legal liability for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.