

Safety Data Sheet

1. Product and Company Identification

Product Name: **Ultralane® 780HVB**
Material Uses: Adhesive, encapsulant, coating, & casting material
(M)SDS#: 780HVB-20231113
Validation Date: November-13-2023
Supplier/Manufacturer: Specialty Polymers & Services, Inc. (SP&S, Inc.)
27822 Fremont Court
Valencia, California (CA) 91355, U.S.A.
Non-emergency phone number: (661) 294-1790 (7AM – 5PM PST)
E-mail: msds@spolymers.com

In case of emergency: Chemtrec (800) 424-9300 or (703) 527-3887

2. Hazards Identification

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Eye damage: Category 1, H318

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS: DANGER!

HAZARD STATEMENTS:

H318 Causes serious eye damage

PRECAUTIONARY STATEMENTS:

PREVENTION: P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mists.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE: P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER and/or doctor if you feel unwell.
P303+P361+P634+P353+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical attention.
P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

See toxicological information (section 11)

General Information: Read entire MSDS for a more thorough evaluation of the hazards

3. Composition / Information on Ingredients

| Name | CAS Number | % |
|--------------------------------|------------|---------|
| Ethoexadiol | 94-96-2 | 10 – 20 |
| 2-Propanol-1,1'-Phenylaminobis | 3077-13-2 | 1 – 10 |

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

| | |
|--------------------|--|
| Eye Contact: | Check for and remove any contact lenses. Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention. |
| Skin Contact: | In case of contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before re-use. Get medical attention if irritation occurs. |
| Inhalation: | Move exposed person to fresh air. If not breathing, give artificial respiration or oxygen. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen. Loosen tight clothing such as a collar, tie, belt, or waistband. Get immediate medical attention. |
| Ingestion: | Wash out mouth with water. If swallowed dilute by giving two (2) glasses water to drink. Do not induce vomiting until direct to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention. |
| Note to physician: | No specific treatment. Treat symptomatically. Call poison control center if large quantities were ingested |

5. Fire-Fighting Measures

| | |
|---|---|
| Flash point: | 232°C (450°F) Pensky-Martin closed cup |
| Hazardous Thermal Decomposition Products: | Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, metal oxides and other oxides. |
| Extinguishing Media: | Carbon dioxide, foam, dry chemical, water spray as suitable for the surrounding fire. |
| Special Exposure Hazards: | Promptly isolate the scene by removing all persons from the vicinity of the fire. No actions shall be taken involving any personal risk or without suitable training. |
| Special Protective equipment for fire-fighters: | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. Accidental Release Measures

| | |
|----------------------------|---|
| Personal Precautions: | No actions shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing vapor or mist and provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8). |
| Environmental Precautions: | Avoid dispersal of spilled material and runoff that leads to contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution. |
| Methods of Clean Up: | Stop leak if without risk. Move containers from spill area. Approach spill from up wind if possible. Prevent spill from entering sewers, rivers and other water courses, basements, or confined areas. Wash into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Dispose of only using a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information. |

7. Handling and Storage

- Handling:** Wear appropriate personal protective equipment (see Section 8) when handling. Eating, drinking, and smoking should be prohibited in areas where chemicals are handled, stored, or processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should be employed in processes where this material is used. Keep in the original container or a suitable alternate made from a compatible material. Keep all containers tightly closed when not in use. Empty containers retain product residue and should be disposed of properly. Do not reuse empty containers for other purposes or to hold other materials.
- Storage:** Store in accordance with local regulations. Store in original containers, at 10°C - 35°C. Keep away from incompatible materials (see Section 10) and food and drink. Keep all containers tightly closed when not in use and tightly re-seal after use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

- Recommended Monitoring Procedures:** If this product contains ingredients with exposure limits, personal, workplace, atmospheric, or biological monitoring may be required to determine the effectiveness of the ventilation system or other control measures and/or to determine whether it is necessary to use respiratory protective equipment. Consider European Standard EN 689 or similar industry or governmental guidelines for appropriate methods for the assessment of exposure by inhalation to chemical agents and/or hazardous substances.
- Engineering measures:** No special ventilation requirements are necessary for this product. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below the recommended or statutory limits
- Hygiene measures:** Wash hands, forearms, and face thoroughly after handling any chemical products, before eating, smoking, and using the lavatory and at the end of the work period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

- Respiratory:** A respiratory protection program in compliance with 29CFR1910.134, or other applicable regulatory standard must be followed whenever exposure limits may be exceeded. If engineering controls are not feasible, or if inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands:** Wear neoprene, nitrile rubber or other suitable impervious gloves; consider European Standard EN374 or similar industry or governmental guidelines. Consider the parameters specified by the glove manufacturer and check gloves during use to ensure they are retaining their protective properties. Gloves selected must have a breakthrough rating appropriate for the work shift. If a risk assessment indicates that it is necessary, gloves should always be worn when handling chemical products.
- Eyes:** When a risk assessment indicates, safety eyewear complying with an approved standard, such as OSHA Standard 29CFR1910.133 or European Standard EN166, should be used to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, at a minimum use chemical splash goggles. If significant splash hazard may occur, consider using a full-face shield.
- Skin:** Personal Protective equipment for the body should be selected based on the task being performed and the risks involved. Typical protective equipment includes non-absorbent lab coats, disposable protective sleeves, coats, or whole-body suits. Consider CFR1910.132 and CFR1910.136 for OSHA approved standards on protective clothing and footwear. Consider seeing a safety specialist to determine the appropriate level of protection for your task.
- Environmental Exposure Controls:** Emissions from ventilation or work processes should be checked to ensure they comply with the requirements of environmental regulations. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

| | | | |
|----------------------------|---------------------------|-------------------|------------------|
| Appearance: | Clear to milky liquid | Odor | Mild hydrocarbon |
| Boiling Point: | N/A | Freezing Point: | N/A |
| Flash Point: | 232°C (449.6°F) close cup | pH: | N/A |
| Auto-ignition Temperature: | N/A | Flammable Limits: | N/A |

Vapor Pressure: <1 mm Hg at 25°C (77°F)
 Specific Gravity: 0.92
 Evaporation Rate: <1 (butyl acetate =1)
 Viscosity: 4000 cps

Water Solubility: Partially soluble
 Vapor Density: >1 (Air = 1)
 VOC: 10 g/ L (estimated)

10. Stability and Reactivity

Chemical Stability: This product is stable, under normal conditions of storage and use, hazardous reactions will not occur.
 Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
 Conditions to Avoid: High temperatures and exposure to strong oxidizing agents, acids, and bases
 Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute Toxicity

| Product/Ingredient Name | Test | Endpoint | Species | Result |
|--------------------------------|---|-------------|---------|-------------|
| Ethoexadiol | | LD50 Oral | Rat | 1400 mg/kg |
| Ethoexadiol | | LD50 Dermal | Rabbit | 2000 mg/kg |
| 2-Propanol-1,1'-Phenylaminobis | OECD 402 Acute Dermal Toxicity | LD50 Dermal | Rabbit | >2000 mg/kg |
| 2-Propanol-1,1'-Phenylaminobis | OECD 420 Acute Oral Toxicity – Fixed Dose | LD50 Oral | Rat | 3800 mg/kg |

Irritation / Corrosion

| Product/Ingredient Name | Test | Species | Result |
|--------------------------------|------|---------|------------------------|
| Ethoexadiol | | Rabbit | Skin – mild irritant |
| Ethoexadiol | | Rabbit | eye – severe irritant |
| 2-Propanol-1,1'-Phenylaminobis | | | Skin – mild irritant |
| 2-Propanol-1,1'-Phenylaminobis | | | Eyes – severe irritant |

Sensitizer

| Product/Ingredient Name | Test | Species | Result |
|-------------------------|------|---------|--------|
| Not available | | | |

Mutagenicity

| Product/Ingredient Name | Test | Result |
|-------------------------|------|--------|
| Not available | | |

Conclusion/ Summary: the weight of scientific evidence indicates that the components of this product are not genotoxic

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA or :

Reproductive Toxicity

| Product/Ingredient Name | Test | Species | Maternal Toxicity | Fertility | Developmental Effects |
|-------------------------|------|---------|-------------------|-----------|-----------------------|
| Not available | | | | | |

Teratogenicity

| Product/Ingredient Name | Test | Species | Results |
|-------------------------|------|---------|---------|
| Not available | | | |

Potential Acute Health Effects

Inhalation: May give off gas that is irritating to the respiratory system.
 Ingestion: May cause burns to mouth, throat, and stomach
 Skin Contact: Slightly irritating. No known critical hazards.
 Eye Contact: Severely irritating to eyes

Potential Chronic Health Effects

| Product/Ingredient Name | Test | Endpoint | Species | Results |
|-------------------------|------|----------|---------|---------|
| None Known | | | | |

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels
 Target Organs: No known significant effects or critical hazards
 Carcinogenicity: No known significant effects or critical hazards
 Mutagenicity: No known significant effects or critical hazards
 Teratogenicity: No known significant effects or critical hazards

Developmental Effects: No known significant effects or critical hazards

Fertility Effects: No known significant effects or critical hazards

12. Ecological Information

Environmental Effects: No known significant effects or critical hazards.

Aquatic Ecotoxicity

| Product/Ingredient Name | Test | Endpoint | Exposure | Species | Result |
|-------------------------|------|----------|----------|---------|--------|
| Not available | | | | | |

Persistence and Degradability

| Product/Ingredient Name | Test | Period | Result |
|-------------------------|------|--------|--------|
| Not available | | | |

| Product/Ingredient Name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Not available | | - | |

Bioaccumulative potential

| Product/Ingredient Name | Log P _{ow} | BCF | Potential |
|-------------------------|---------------------|-----|-----------|
| Not available | | | |

Other adverse effects: No known significant effects or critical hazards

Other information: BOD5: Not determined COD: Not Determined TOC: Not determined

13. Disposal Consideration

Waste Disposal Method: Disposal of this products, solutions, and by-products should at all times comply with the requirements of environmental and waste disposal legislation and any regional or local authority requirements. Dispose of surplus, non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed on untreated to the sewer system unless this is complaint with all applicable laws and regulations. Incineration by an approved and licensed contractor is the most common disposal method. Packaging materials that and absorbents containing the product can typically be landfilled or incinerated. Contact local authorities to determine the proper means of disposal in your area.

14. Transport Information

Not regulated for transportation purposes under 49CFR (US DOT), TDG (Canada), IATA, and IMDG regulations.

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: This product does not contain chemicals regulated under Section 304 as extremely hazardous substance(s) for emergency release notification ("CERCLA" List):

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain chemicals which are subject to Section 12(b) export notification.

State Regulations:

California Proposition 65: ⚠️ **WARNING:** This product can expose you to chemicals including vinylcyclohexene, 1,3-butadiene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

