



## Material Safety Data Sheet

Product Name: HXTAL NYL-1 Epoxy Adhesive Part A (Resin)

SDS Date: 05/01/2022

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HXTAL NYL-1 Part A (Resin)

Manufacturer: HXTAL Adhesive, LLC  
2000 Riverside Drive  
Box 10  
Asheville NC 28804  
828-348-7970

Emergency Phone number: ChemTel, Inc.  
Toll Free: 800-255-3924  
International: +813-248-0585

### 2. HAZARDS IDENTIFICATION

Classification of Substance Serious Eye Damage/ Eye Irritant- Category 2B  
Skin Sensitization - Category 1

GHS Labels



#### Hazard Statements

H320 Causes eye irritation  
H317 May cause an allergic skin reaction

#### Precautionary Statements

**General**

Not applicable

**Prevention**

- Wear protective gloves
- Wear eye or face protection
- Avoid breathing vapor
- Wash hands thoroughly after handling
- Contaminated work clothing should not be allowed out of workplace

**Response**

**IF ON SKIN**

- Wash with plenty of soap and water
- Wash contaminated clothing before reuse
- If skin irritation or rash occurs:
  - Get medical attention

**IF IN EYES**

- Rinse cautiously with water for several minutes
- Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists:
  - Get medical attention

**Storage**

Not applicable

**Disposal**

Dispose of contents and container in accordance with all local, regional, national, and international regulations

**Other Hazards which do not result in classification**

None known

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

| Component   | CAS#       | Concentration |
|---|------------|---------------|
| Cyclohexanol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane | 30583-72-3 | 100%          |

There are no additional ingredients present, which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.  
Occupational exposure limits, if available, are listed in Section 8

## 4. FIRST AID MEASURES

|               |  |
|---------------|--|
| Inhalation:   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.  |
| Skin Contact: | Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
| Eye Contact:  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.  |
| Ingestion:    | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. |

### Notes to Physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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|                                   |   |
|-----------------------------------|---|
| Specific treatments               | No specific treatment   |
| Protection of first air personnel | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

## 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| Suitable extinguishing media:                                   | Use an extinguishing agent suitable for the surrounding fire.   |
| Extinguishing media which shall not be used for safety reasons: | None known  |
| Specific hazards during fire fighting:                          | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Hazardous thermal decomposition products                        | Decomposition products may include the following materials:<br><br>carbon monoxide<br>carbon dioxide<br>aldehydes   |
| Special protective action for fire-fighters                     | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action 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, protective equipment, and emergency procedures

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|   |   |
|---|---|
| For non-emergency personnel                           | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.  |
| For emergency responders                              | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information on "For non-emergency personnel"  |
| Environmental precautions                             | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).  |
| Methods and materials for containment and cleaning up |   |
| Small spill   | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.   |
| Large spill   | Stop leak if without risk. Move containers from spill area. Approach release from up wind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, eg sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal. |

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

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|  |   |
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| Protective measures  | Put on appropriate personal protective equipment (see Section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material., kept tightly closed and when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Advice on general occupational hygiene                       | Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| Conditions for safe storage, including any incompatibilities | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.                    |

## **8. EXPOSURE CONTROL / PERSONAL PROTECTION**

|                                  |  |
|----------------------------------|--|
| Occupational Exposure Limits     | None.  |
| Appropriate engineering controls | No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  |
| Environmental exposure controls  | Emissions from ventilation or work process equipment should be check to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Individual protection measures   |  |

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|                         |   |
|-------------------------|---|
| Hygiene measures        | Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work 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.   |
| Eye and Face protection | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicate a higher degree of protection: chemical splash goggles.  |
| Hand protection         | Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. IN the case of mixtures consisting of several substances, the protection time of the glove cannot be accurately estimated. |
| Body protection         | Perusal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Other skin protection   | Appropriate footwear and any additional skin protection measure should be selected based on the tasks being performed and the risks involved and should be approved by a specialist before handling the product.  |
| Respiratory protection  | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicate this is necessary. Respirator selections must be based on known or anticipated exposure levels, the hazards of the product and the safe working times of the selected respirator.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid

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|                         |   |
|-------------------------|---|
| Color:                  | Colorless                               |
| Odor:                   | Odorless                                |
| Specific gravity:       | 1.09                                    |
| Melting point/range:    | 10°C (50° F)                            |
| Flash point:            | Typical 115° C (239° F)                 |
| Relative vapor density: | >1 (Air = 1.0)                          |
| Water solubility:       | Negligible                              |
| Viscosity, dynamic:     | 1.8-2.5 Pas at 25° C (77° F) ASTM D-445 |

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## **10. STABILITY AND REACTIVITY**

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|------------------------------------|--|
| Reactivity                         | Stable under normal conditions.  |
| Chemical stability                 | The product is stable  |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.                                  |
| Conditions to avoid                | Strong oxidizer, caustic soda (sodium hydroxide) and induce vigorous polymerization at temperatures around 200°C |
| Incompatible materials             | strong oxidizing agents<br>sodium hydroxide  |
| Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should be produced                  |

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## **11. TOXICOLOGICAL INFORMATION**

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|                       |               |
|-----------------------|---------------|
| Acute toxicity        | Not available |
| Irritation/Corrosion  | Not available |
| Sensitization         | Not available |
| Mutagenicity          | Not available |
| Carcinogenicity       | Not available |
| Reproductive toxicity | Not available |



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|  |   |
|--|---|
| Teratogenicity   | Not available   |
| Specific target organ toxicity   | Not available   |
| Aspiration hazard  | Not available   |
| Information on the likely routes of exposure   | Not available   |
| Potential acute health effects   |   |
| Eye contact  | Causes eye irritation   |
| Inhalation   | No known significant effects or critical hazards  |
| Skin contact   | May cause an allergic skin reaction   |
| Ingestion  | May be irritating to mouth, throat and stomach  |
| Symptoms related to the physical, chemical, and toxicological characteristics            |   |
| Eye contact  | Adverse symptoms may include the following:<br>irritation<br>watering<br>redness                    |
| Inhalation   | No specific data  |
| Skin contact   | Adverse symptoms may include the following:<br>irritation<br>redness                                |
| Ingestion  | No specific data  |
| Delayed and immediate effects and also chronic effects from short and long term exposure |   |
| Short term exposure  |   |
| Potential immediate effects  | Not available   |
| Potential delayed effects  | Not available   |
| Long term exposure   |   |
| Potential immediate effects  | Not available   |
| Potential delayed effects  | Not available   |
| Potential chronic health effects   | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |

## 12. ECOLOGICAL INFORMATION

|                           |  |
|---------------------------|--|
| Toxicity                  | Not available                                    |
| Persistence/degradability | Not available                                    |
| Mobility in soil          | No known significant effects or critical hazards |

## 13. DISPOSAL CONSIDERATIONS

|                  |  |
|------------------|--|
| Disposal methods | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirement of environmental protection and waste disposal legislation and any regional local authority requirement. Dispose of surplus and non-recyclable products via a license waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled, Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty container or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterway, drains, and sewers. |
|------------------|--|

## 14. TRANSPORT INFORMATION

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

|                            |                             |
|----------------------------|-----------------------------|
| <b>DOT Classification</b>  | Not regulated for transport |
| <b>IATA Classification</b> | Not regulated for transport |
| <b>IMO/IMDG</b>            | Not regulated for transport |

## 15. REGULATORY INFORMATION

|                        |   |
|------------------------|---|
| US Federal regulations | TSCA 12(b)- Chemical export notification- None required<br>TSCA 5(a)2 - Final significant new use rules: Not listed<br>TSCA 5(a)2 - Proposed significant new rules: Not listed<br>TSCA 5(e) - Substance consent order: Not listed |
| California Prop 65     | None required   |
| United States TSCA 8b  | All components are listed or exempted   |
| WHMIS (Canada)         | Class D-2B: Material causing other toxic effects (Toxic)  |
| Canadian NPRI          | None required   |
| CEPA Toxic substances  | None required   |

## 16. OTHER INFORMATION

|                     | <b>HMIS III</b> |
|---------------------|-----------------|
| Health:             | 2               |
| Flammability        | 1               |
| Reactivity:         | 0               |
| Personal Protection | 0               |