1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name          EpoxiCure 2 Resin
Product Code(s)       20-3430-064, 20-3430-128
(M)SDS Number         1350306_A

Other means of identification

Synonyms             None

Recommended use of the chemical and restrictions on use

Recommended Use      Laboratory Use Only
Uses advised against  No information available

Details of the supplier of the safety data sheet

Manufacturer          Buehler
Manufacturer Address   41 Waukegan Rd
                        Lake Bluff, IL 60044
                        www.buehler.com
Phone number           +1 847 295 6500
E-mail Address         custserv@buehler.com

Emergency telephone number

Global Access Code: 334545
Americas: +1 760 476 3962          Asia Pacific: +1 760 476 3960
Middle East/Africa: +1 760 476 3959    Europe: +1 760 476 3961

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Hazard Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Skin sensitization</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

_____________________________________________________________________________________________
Emergency Overview

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Warning</th>
</tr>
</thead>
</table>

**Hazard Statements**
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Harmful to aquatic life with long lasting effects

**Appearance**  Clear to yellow  **Physical state**  Liquid  **Odor**  Mild

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**
None

**Eyes**
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 advice/attention

**Skin**
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**
None

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not applicable

**Other information**
No information available

**Interactions with Other Chemicals**
No information available.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A - Epichlorhydrin polymer</td>
<td>25068-38-6</td>
<td>50 - 100%</td>
<td>*</td>
</tr>
<tr>
<td>Oxirane, [[(2-ethylhexyl)oxy]methyl]-</td>
<td>2461-15-6</td>
<td>5 - 10%</td>
<td>*</td>
</tr>
<tr>
<td>Oxirane, 2,2’-[[(2,2-dimethyl-1,3-propanediyl)bis(oxy)methylene]]bis-</td>
<td>17557-23-2</td>
<td>5 - 10%</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

**General Advice**
Show this safety data sheet to the doctor in attendance.

**Eye contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

**Skin contact**
Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Inhalation**
Remove to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**
Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Self-protection of the first aider**
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

**Most important symptoms and effects, both acute and delayed**

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**
May cause sensitization in susceptible persons. Treat symptomatically.
5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Dry chemical, CO2, alcohol-resistant foam or water spray.

**Unsuitable extinguishing media**
CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**
Product is or contains a sensitizer. May cause sensitization by skin contact. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

- **Uniform Fire Code**
  - Sensitizer: Liquid

- **Explosion Data**
  - Sensitivity to Mechanical Impact: None.
  - Sensitivity to Static Discharge: None.

- **Protective equipment and precautions for firefighters**
  As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.

**Other Information**
Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

- **Environmental precautions**
  Prevent further leakage or spillage if safe to do so. Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

- **Methods for containment**
  Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

- **Methods for cleaning up**
  Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection
If splashes are likely to occur:. None required for consumer use. Tight sealing safety goggles.

Skin and body protection
Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures
Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
<th>Odor</th>
<th>Mild</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to yellow</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Specific test data for the substance or mixture is not available. May cause irritation of
respiratory tract.

**Eye contact**
Specific test data for the substance or mixture is not available. (based on components).
May cause redness, itching, and pain. Causes serious eye irritation.

**Skin contact**
Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). Prolonged contact may cause redness and irritation.

**Ingestion**
Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Component Information**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A - Epichlorohydrin polymer</td>
<td>11400 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Oxirane, [(2-ethylhexyl)oxy][methyl]-2461-15-6</td>
<td>7800 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Oxirane, 2,2’-[(2,2-dimethyl-1,3-propanediyl)bis(oxyethylene)]bis-17557-23-2</td>
<td>4500 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Information on toxicological effects**

**Symptoms**

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization**
May cause sensitization in susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects**
No information available.

**Carcinogenicity**
Contains no ingredient listed as a carcinogen.

**Reproductive toxicity**
No information available.

**STOT - single exposure**
No information available.

**STOT - repeated exposure**
No information available.

**Target Organ Effects**
Respiratory system. Eyes. Skin.

**Aspiration Hazard**
No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**
9,999.00 mg/kg
12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Persistence and Degradability
No information available.

Bioaccumulation
No information available

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging
Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>NOT REGULATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>MEX</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>ICAO</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>IATA</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>IMDG/IMO</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>RID</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>ADR</td>
<td>NOT REGULATED</td>
</tr>
<tr>
<td>ADN</td>
<td>NOT REGULATED</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

International Inventories

TSCA    Complies
DSL     All components are listed either on the DSL or NDSL.
IECSC

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Canada
WHMIS Hazard Class
Not determined

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>Personal Protection X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date
01-Mar-2017

Revision Date
05-Aug-2019
Revision Note
No information available

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet