

# SAFETY DATA SHEET

## DEWEY EPO-FLEX TX HARDENER

DATE REVISED: July 27, 2021

### SECTION 1 -- IDENTIFICATION

**Product Name/Part number:** Dewey Epo-Flex TX Hardener

**Recommended use:** Epoxy Hardener Component

**Manufacturer:** Superior Flux & Mfg. Co. **Mfg. Phone No.** (440) 349-3000  
6615 Parkland Blvd  
Cleveland OH, 44139

**Emergency Phone No.:** 1-800-424-9300 (CHEMTREC)

### SECTION 2 – HAZARD(S) IDENTIFICATION

#### Classification of the substance or mixture

#### GHS Classification in accordance with OSHA HCS (29 CFR 1910)

Flammable liquids (Category 4)	H227
Skin irritation (Category 2)	H315
Skin sensitization (Category 1)	H317
Eye irritation (Category 2A)	H319
Specific target organ toxicity – Single exposure, respiratory (Category 3)	H335
Germ cell mutagenicity (Category 2)	H341
Carcinogenicity (Category 1)	H350
Specific target organ toxicity – Single exposure, eyes (Category 2)	H371
Specific target organ toxicity – Repeated exposure	H372

*See below for full text of H-Statement*

#### GHS Label Elements, including precautionary statements

#### Pictogram(s):



**Signal Word:** Danger

#### Hazard Statement(s)

H227	Combustible liquid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes eye irritation
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H350	May cause cancer
H371	May cause damage to eyes
H372	Causes damage to organs through prolonged or repeated exposure [Blood system, central nervous system, respiratory tract, skin]

#### Precautionary statement(s)

P210	Keep away from flames, sparks, and hot surfaces. No smoking.
P260	Do not breathe vapor
P264	Wash hands thoroughly after handling
P273	Avoid release to the environment

- P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P303+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340+P313 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
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+P311 IF exposed or concerned: Call a POISON CENTER or physician.  
P314 Get medical attention if you feel unwell.  
P308+P313 If exposed or concerned: Get medical advice or attention.  
P333+P313 If skin irritation or rash occurs: Get medical attention.  
P337+P313 If eye irritation persists: Get medical attention  
P363 Wash contaminated clothing before reuse  
P405 Store locked up  
P501 Dispose of contents and/or container to an approved waste disposal plant

**Hazards not otherwise classified or not covered by GHS: None**

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### SECTION 3 – COMPOSITION INFORMATION

Components	CAS Number	%
Hydrous magnesium silicate	14807-96-6	30 - 40
Oxirane, 2-chloromethyl	25068-38-6	50 - 60

*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.*

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### SECTION 4 – FIRST AID MEASURES

#### Description of first aid measures

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- Inhalation:** If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.
- Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
- Skin:** Wash off with soap and plenty of water. Consult a physician.
- Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most Important Symptoms and effects, both acute and delayed

*The most important known symptoms and effects are described in section 2 (labeling)*

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## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** Dry chemical, CO<sub>2</sub> foam

**Auto Ignition Temperature:** None

**Special Fire Fighting Procedures:** Normal cautions when dealing with chemicals.

**Unusual Fire and Explosion Hazards:** Carbon oxides, halogenated compounds, silicon oxides, magnesium oxide

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions and Equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. *See section 8 for personal protection.*

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**In Case Material is spilled:** First neutralize with soda ash or sodium bicarbonate, dilute with water and dispose of in accordance with EPA regulations.

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## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with skin and eyes.

For full precaution statements see Section 2

**Storage Requirements:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION CONTROL PARAMETERS

**OSHA Permissible Exposure Limit (PEL):** 135 mg/m<sup>3</sup>

**Engineering Controls:** Use local exhaust ventilation to maintain air concentrations of vapors and fumes below occupational exposure standards.

**Special Engineering Control Needs:** NA

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (USA) or ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU).

**Protective Gloves:** Handle with gloves. (Nitrile Rubber recommended) Gloves must be inspected prior to use. Use proper glove removal techniques (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good lab practices. Wash and dry hands after handling.

**Eye Protection:** Use tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (USA) or EN 166 (EU)

**Body Protection:** Complete suit protecting against chemical, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

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## SECTION 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>Appearance</b>	Black paste
<b>Odor</b>	No data available
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/Freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate (Butyl Acetate = 1)</b>	No data available
<b>Flammability (Solid, gas)</b>	No data available
<b>Upper flammability or explosive limits</b>	No data available
<b>Lower flammability or explosive limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility(ies)</b>	Insoluble in water
<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</b>	No data available

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## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** No data available

**Stability:** Product is stable under recommended storage conditions

**Possibility of hazardous reactions:** No data available

**Conditions to Avoid:** Metals

**Incompatibility:** Alkaline, strong oxidizers or reducers, cyanides or combustible materials

**Hazardous Decomposition Products** carbon oxides

In the event of fire: See Section 5

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## SECTION 11 - TOXICOLOGICAL INFORMATION

**Likely Route(s) of Exposure:** Inhalation, ingestion, skin and eye contact

**Symptoms (Immediate and Chronic) from**

**Acute Exposure** No data available

**Prolonged or Repeated Exposure** No data available

**Measure(s) of toxicity**

No data available

**Is this chemical listed in the National Toxicology Program (NTP) Report on Carcinogens?**

No data available

**Is this chemical found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or by the Occupational Safety and Health Administration (OSHA)** No data available

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## SECTION 12 - ECOLOGICAL INFORMATION

**Toxicity** No data available

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects** **Hazard to ozone layer:** No data available

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Contact a licensed professional waste disposal service to dispose of this material.

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## SECTION 14- TRANSPORTATION

**D.O.T. (USA) – If in a container of 119-gal capacity or less**

Not regulated

**D.O.T. (USA) – If in a container of 119-gal capacity or more**

**Proper Shipping Name:** Environmentally hazardous substance, liquid, N.O.S. (Liquid epoxy resin)

**Identification Number:** UN3082

**Hazard Class(es):** 9

**Packing Group:** III

**Marine Pollutant?** Yes

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## SECTION 15 - REGULATORY INFORMATION

**SARA 302 Components** No Chemicals in this material are subject to the reporting requirement of SARA Title III, Section 302.

**SARA 313 Components** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards** Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**California Prop. 65 Components**

**WARNING:** This product contains chemicals known to State of California to cause birth defects, other reproductive harm, or cancer. [Oxirane, 2-phenoxyethyl (birth defects and other reproductive harm) and hydrous magnesium silicate (cancer)]

**THIS PRODUCT IS ROHS 3 COMPLIANT**

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## SECTION 16 - OTHER INFORMATION

**Further information:**

Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. The above information does not represent any guarantee of the properties of the product. It is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. Reasonable care has been taken in the preparation of this material, and is based on the present state of our knowledge.

Superior Flux & Mfg. Co. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Preparation information**

Superior Flux & Mfg. Co.  
440-349-3000

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