

Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Version: 1.0

Revision: 3/15/21

Trade Name: E100-PT3™ – Part A

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: E100-PT3™ - Part A

1.2 Details of the supplier of the Safety Data Sheet Manufacturer:

Elite Crete Systems
1151 Transport Drive
Valparaiso, IN 46383
Toll Free: 888.323.4445
Tel: (219) 465-7671
www.elitecrete.com

1.3 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)
CHEMTREC INTERNATIONAL: (703-527-3887)

2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Classification

Health Hazards

Skin sensitizer

Category 1

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008:

Hazard pictograms:



Signal Word: Warning

Hazard Statement: May cause an allergic skin reaction.

Precautionary Statements

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

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3 Composition/information on ingredients

3.2 Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Hazardous components:

Identification #	Description	WT. %
CAS: 25085-99-8	Oxirane, 2,2'- [(1- methylethylidene) bis (4,1-phenyleneoxymethylene)] bis-, homopolymer	40-55%
CAS: 7732-18-5	Water	45-60%

Additional information: Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers). Additional HMIS statements see Sec 16.

4 First aid measures

4.1 Description of necessary first-aid measures

General information: Seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

Inhalation: Move to fresh air.

Skin Contact: Wash off immediately with soap and plenty of water. Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Ingestion: Prevent aspiration of vomit. Turn victim's head to the side. Never give anything by mouth to an unconscious person.

Personal Protection for First aid Responders: Use personal protective equipment., Wear self-contained breathing apparatus for firefighting if necessary.

Most important symptoms/effects, acute and delayed

Symptoms: sensitizing effects

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

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5 Firefighting measures

5.1 Extinguishing media

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Carbon Dioxide. Dry chemical. Dry sand. Limestone powder Alcohol resistant foam.

Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture: Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Hazardous decomposition products: None Known

5.3 Protective Equipment: Special firefighting procedures: No data available.

Special protective equipment for fire-fighters: Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions: Construct a dike to prevent spreading.

6.3 Methods and material for containment and cleaning up: Place in appropriate chemical waste container. Call Emergency Response number for advice. Approach suspected leak areas with caution.

6.4 Accidental release measures: If possible, stop flow of product. Open enclosed spaces to outside atmosphere.

7 Handling and storage

7.1 Precautions for safe handling

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Use personal protective equipment. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Spraying increases the risk of hazardous exposure. In atmospheres where the material is sprayed, workers should avoid contact with aerosols.

Contact avoidance measures: No data available.

Hygiene measures: Provide readily accessible eye wash stations and safety showers.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Safe storage conditions: Protect from frost. Keep away from oxidizers. Keep containers tightly closed in a dry, cool and well-ventilated place.

Safe packaging materials: No data available.

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8 Exposure controls/personal protection

Additional information about design of technical facilities:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne dust/vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory protection: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Protection of hands: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.



Protective gloves

Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

Eye protection: Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.



Tightly sealed goggles

Body Protection:

Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
Form:

Liquid

Color:

White

Odor:

No data available

Odor threshold:

No data available., Not required by safety or application considerations

pH-value:	neutral
Change in condition	No data available.
Melting point/Melting range:	100°C
Boiling point/Boiling range:	
Flash point:	> 248.9°C
Flammability	(solid, gas): no data available
Auto/Self-ignition temperature:	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self-heating.
Decomposition temperature:	No decomposition in the field of application
Self-igniting:	No data available
Vapor pressure at:	Not established
Density at 21°C:	specific gravity 1.1 g/cm ³
Vapor pressure:	25.669 hPa (21°C)
Vapor density:	(Air=1) no data available
Evaporation rate:	No data available
Solubility in / Miscibility with Water:	Soluble
Specific Gravity 23 C: (Water = 1):	1.1 g/cm ³
Viscosity:	
Dynamic:	No data available
Kinematic:	No data available
Solvent content:	
Organic solvents:	No data available
VOC (EC)	0%
9.2 Other information	No data available

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10 Stability and reactivity

10.1 Reactivity: see section "Possibility of hazardous reactions"

10.2 Chemical stability: Stable under normal conditions

Thermal decomposition / conditions to be avoided: none known

10.3 Possibility of hazardous reactions: none known

10.4 Conditions to avoid: none known

10.5 Incompatible materials: Oxidizing agents

10.6 Hazardous decomposition products: carbon monoxide; carbon dioxide; chlorine

11 Toxicological information

11.1 Information on toxicological effects: Toxicity data is available for this product

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data is available on the product itself.

Dermal

Product: No data is available on the product itself.

Inhalation

Product: No data is available on the product itself.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: Not irritating Non-irritant to the skin of a rabbit. Testing was performed on this or similar materials.

Serious Eye Damage/Eye Irritation

Product: Not irritating Mildly Irritating Testing was performed on this or similar materials.

Respiratory or Skin Sensitization Product: May cause sensitization by skin contact.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogens present or none present in regulated quantities

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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended: No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro Product: No data available.

In vivo Product: No data available.

Reproductive toxicity

Product: No data is available on the product itself.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12 Ecological information

12.1 Toxicity

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data is available on the product itself.

Aquatic Invertebrates

Product: No data is available on the product itself.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data is available on the product itself.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available. Not required by safety or application considerations.

Mobility in soil: No data available.

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Components: Oxirane, 2,2'- [(1- methylethylidene) bis (4,1- phenyleneoxymethylene)] bis-, homopolymer No data available.

Water No data available.

Other adverse effects: Do not allow to enter soil, waterways or waste water canal. An Expert Judgment stated that no classification is necessary based on present knowledge.

13 Disposal considerations

13.1 Waste treatment methods

Disposal methods: Contact supplier if guidance is required.

Contaminated Packaging: Dispose of container and unused contents in accordance with federal, state, and local requirements.

14 Transport information

Domestic regulation

49 CFR

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

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

Not applicable for product as supplied.

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15 Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Respiratory or Skin Sensitization

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)

Chemical Identity

Threshold Planning Quantity

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

Not regulated.

No ingredient requiring a warning under CA Prop 65.

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

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

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US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

US TSCA Inventory: Included on Inventory.

EU EINECS List: On or in compliance with the inventory

Canada DSL Inventory List: Included on Inventory.

Australia AICS: Included on Inventory.

Japan (ENCS) List: Included on Inventory.

Korea Existing Chemicals Inv. (KECI): Included on Inventory.

China Inv. Existing Chemical Substances: Included on Inventory.

Philippines PICCS: Included on Inventory.

Taiwan Chemical Substance Inventory: Included on Inventory.

16 Other information

HMIS Hazard ID

Health 2

Flammability 1

Physical Hazards 0

PERSONAL PROTECTION

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Further Information: No data available.

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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