

Safety Data Sheet

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

Version: 1.1

Revision: 4/26/2022

Trade Name: E100-PT3™ – Part B

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

1.1 Product identifier

Trade Name: E100-PT3™ - Part B

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

elitecrete.com

1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)

CHEMTREC INTERNATIONAL: (703-527-3887)

2 Hazard(s) identification

Hazard Classification

Health Hazards

Skin Corrosion/Irritation Category 1B

Serious Eye Damage/Eye Irritation Category 1

Skin sensitizer Category 1

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Precautionary Statements

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Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

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

3 Composition/information on ingredients

Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Hazardous components:

Identification #	Description	WT. %
Trade Secret	Phenol, 4,4'-(1-methylethylidene) bis-, polymer with 2-(chloromethyl) oxirane, α -hydro- ω -hydroxypoly (oxy-1,2-ethanediyl), and polyamine	20 - <50%
Trade Secret	Polyamine polymer	5 - <10%
CAS: 2855-13-2	3-aminomethyl-3,5,5- trimethylcyclohexylamine	10 – < 20%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Chemical family Amines.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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4 First aid measures

Description of necessary first-aid measures

General information: Seek medical advice. If breathing is irregular or stopped, administer artificial respiration. For breathing difficulties, oxygen may be necessary.

Inhalation: Move to fresh air.

Skin Contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation. Wash off immediately with soap and plenty of water.

Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Rinse immediately with plenty of water for at least 15 minutes.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Prevent aspiration of vomit. Turn victim's head to the side.

Personal Protection for First aid Responders: Avoid contact with skin., A face shield should be worn. Use personal protective equipment., Wear self-contained breathing apparatus for firefighting if necessary.

Most important symptoms/effects, acute and delayed

Symptoms: No specific hazards are known.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5 Firefighting measures

General Fire Hazards: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from firefighting to enter drains or water courses.

Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

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Special protective equipment and precautions for firefighters

Special firefighting procedures: No data available.

Special protective equipment for fire-fighters: Avoid contact with skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Accidental release measures: If possible, stop flow of product.

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

Environmental Precautions: Construct a dike to prevent spreading.

7 Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Safe handling advice: Discard contaminated leather articles. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each work shift and before eating, smoking or using the toilet.

Contact avoidance measures: No data available.

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

Storage

Safe storage conditions: Do not store near acids. 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

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection: Full face shield with goggles underneath.

Skin Protection

Hand Protection: Additional Information: Butyl rubber., Nitrile rubber., Neoprene gloves Additional Information: 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. Additional Information: Impervious gloves

Skin and Body Protection: Impervious clothing Rubber or plastic boots Slicker Suit. No specific recommendations.

Respiratory Protection: Not required for properly ventilated areas.

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

9 Physical and chemical properties

Appearance

Physical state: liquid

Form: Viscous Liquid

Color: Amber

Odor: Amines.

Odor Threshold: No data available.

pH: No data available.

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Trade Name: E100-PT3™ – Part B**Freezing point:** No data available.**Boiling Point:** 100 °C (1,013.25 hPa)**Flash Point:** 102 °C**Evaporation Rate:** No data available.**Flammability (solid, gas):** No data available.**Explosive limit - upper (%):** No data available.**Explosive limit - lower (%):** No data available.**Vapor pressure:** 23.86 hPa (21.1 °C)**Vapor density (air=1):** No data available.**Density:** 1.06 g/cm³ (21.1 °C)**Relative density:** No data available.**Solubility(ies)****Solubility in Water:** Completely Soluble**Solubility (other):** No data available.**Partition coefficient (n-octanol/water):** No data available.**Self-Ignition Temperature:** No data available.**Decomposition Temperature:** No data available.**Kinematic viscosity:** > 20.5 mm²/s (40 °C)**Dynamic viscosity:** 9,500 mPa.s (25 °C)**Other information****Explosive properties:** No data available.**Oxidizing properties:** No data available.**Metal Corrosion:** Corrosive to metal

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10 Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions"

Chemical Stability: Stable under normal conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible Materials: Organic acids (i.e. acetic acid, citric acid etc.). Mineral Acid Sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.

Hazardous Decomposition Products: Nitric acid. Ammonia Nitrogen Oxides Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon Monoxide. Carbon Dioxide.

11 Toxicological information

Information on likely routes of exposure

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: Acute toxicity estimate: > 5,000 mg/kg ATEmix: 9,809.52 mg/kg

Dermal

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Product: No data is available on the product itself. Not classified for acute toxicity based on available data.

Inhalation

Product: No data is available on the product itself. Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:

Phenol, 4,4'-(1- methylethylidene) bis-, polymer with 2- (chloromethyl)oxirane, α -hydro- ω hydroxypoly (oxy-1,2- ethanediyl), and polyamine: Irritating. Irritating.

3-aminomethyl-3,5,5- trimethylcyclohexylamine (Rabbit): Corrosive, > 3.1 min - < 1 h Corrosive

Polyamine polymer: Irritating. Irritating.

Serious Eye Damage/Eye Irritation

Product: no data available

Respiratory or Skin Sensitization

Product: no data available

Carcinogenicity

Product: No data available.

Components:

Phenol, 4,4'-(1- methylethylidene) bis-, polymer with 2- (chloromethyl)oxirane, α hydro- ω -hydroxypoly(oxy1,2-ethanediyl), and polyamine: Not classified

3-aminomethyl-3,5,5- trimethylcyclohexylamine: Not classified

Polyamine polymer: Not classified

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:

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No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

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 available.

Components:

Phenol, 4,4'-(1- methylethylidene) bis-, polymer with 2- (chloromethyl)oxirane, αhydro-ω-hydroxypoly(oxy1,2-ethanediyl), and polyamine: Not classified

3-aminomethyl-3,5,5- trimethylcyclohexylamine: Not classified

Polyamine polymer: Not classified

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

Ecotoxicity

Acute hazards to the aquatic environment:

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Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

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.

Mobility in soil: No data available.

Components:

Phenol, 4,4'-(1- methylethylidene) bis-, polymer with 2- (chloromethyl)oxirane, ahydro- ω -hydroxypoly(oxy1,2-ethanediyl), and polyamine: No data available.

3-aminomethyl-3,5,5- trimethylcyclohexylamine: The soil mobility of the substance is only minimally affected by adsorption to soil components. The substance will occur mainly in bodies of water due to its environmental distribution characteristics. The effects of light decompose the substance rapidly in the atmosphere.

Polyamine polymer: No data available.

Other adverse effects: Do not allow to enter soil, waterways or waste water canal.

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13 Disposal considerations

13.1 Waste treatment methods

Disposal methods: Contact supplier if guidance is required. Any disposal of this product to surface water in the United States is prohibited.

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

14 Transport information

Domestic regulation

49 CFR

UN/ID/NA number: UN 2735

Proper shipping name: Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)

Class: 8

Packing group: II

Labels: 8

ERG Code: 153

Marine pollutant: no

Remarks: Keep separate from foodstuffs, luxury foods, feedstuffs

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Trade Name: E100-PT3™ – Part B**International Regulations**

IATA-DGR

UN/ID No.: UN 2735

Proper shipping name: Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)

Class: 8

Packing group: II

Labels: 8

Packing instruction (cargo aircraft): 855

Packing instruction (passenger aircraft): 851

IMDG-Code

UN number: UN 2735

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)

Class: 8

Packing group: II

Labels: 8

EmS Code: F-A, S-B

Marine pollutant: no

Remarks: Keep separate from acids.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**Not applicable for product as supplied.****Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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15 Regulatory information

US Federal Regulations

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

The component regulated under the SNUR is also subject to reporting requirements under TSCA 12(b).

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

This product contains a component that is regulated under a Significant New Use Rule (SNUR). To be compliant with the SNUR, releases into the waters of the United States cannot exceed 1 part per billion (ppb) and products containing this component must be applied by roller, brush, and/or squeegee, or any other methods which will not generate a vapor, mist or aerosol. It is the responsibility of users to comply with the requirements of this rule. The component regulated under the SNUR is also subject to reporting requirements under TSCA 12(b).

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

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

Skin Corrosion or Irritation, Serious eye damage or eye irritation, Respiratory or Skin Sensitization

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

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

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Phenol, 4,4'-(1- methylethylidene) bis-, polymer with 2- (chloromethyl)oxirane, α hydro- ω -

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hydroxypoly(oxy1,2-ethanediyl), and polyamine 10000 lbs.

3-aminomethyl-3,5,5-trimethylcyclohexylamine 10000 lbs.

Polyamine polymer 10000 lbs.

SARA 313 (TRI Reporting)

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

No ingredient requiring a warning under CA Prop 65.

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

Chemical Identity

3-aminomethyl-3,5,5-trimethylcyclohexylamine

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.

US. Rhode Island RTK

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

Inventory Status:

Registration, Evaluation and Authorization of Chemicals (REACH): y (positive listing)

EU EINECS List: y (positive listing)

US TSCA Inventory: y (positive listing)

New Zealand Inventory of Chemicals: n (Negative listing)

Japan ISHL Listing: n (Negative listing)

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Korea Existing Chemicals Inv. (KECI): n (Negative listing)

Philippines PICCS: n (Negative listing)

Taiwan Chemical Substance Inventory: n (Negative listing)

16 Other information

HMIS Hazard ID

Health 3

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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