

Safety Data Sheet

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

Version: 2.4

Revision: 11/7/2023

Trade Name: E100-VB5™ - Epoxy Vapor Barrier – Part B

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

1.1 Product identifier

Trade Name: E100-VB5™ Part B

1.2 Article No.: E100-VB5™ Part B

1.3 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 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 and GHS:

Skin Corrosion/ Irritation Hazard Category 1B
Serious Eye Damage/ Eye Irritation Hazard Category 1
Skin Sensitizer Hazard Category 1A
Aquatic Environment Acute Hazard Category 1
Aquatic Environment Chronic Hazard Category 1

2.2 Label elements

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

Hazard pictograms:



GHS05



GHS07



GHS09

Signal word: Danger

Hazard Statements:

Causes severe skin burns and eye damage
May cause an allergic skin reaction
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

Precautionary Statements:

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands, and any exposed skin thoroughly after handling

Prevention: Wear protective gloves/protective clothing/eye protection/face protection
Contamination work clothing should not be allowed out of the workplace
Avoid release to the environment

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Response: IF SWALLOWED: Rinse mouth. Do not induce vomiting
 IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Immediately call a POISON Center or doctor/physician

Disposal: Dispose of contents/containers in accordance with local and national governments

Hazards no classified: Not Applicable

3 Composition/information on ingredients

3.2 Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Hazardous components:

Identification #	Description	WT. %
CAS: 90530-15-7	2-Propenenitrile, reaction products with 3-amino-1,5,5-trimethylcyclohexanemethamine GHS Classification: Skin Corrosion 1B (H314), Eye Damage 1 (H318), Skin Sensitivity 1A (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)	11-17-%
CAS: 1477-55-0	m-Xylylenediamine GHS Classification: Acute Toxicity 4 (H302) Acute Toxicity 4 (H332) Skin Corrosion 1B (H314) Eye Damage 1 (H318) Skin Sensitivity 1B (H317) Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412)	2-6.5%
CAS: 2855-13-2	Isophorondiamine GHS Classification Acute Toxicity 4 (H302) Acute Toxicity 4 (H312) Skin Corrosive 1B (H314) Eye Damage 1 (H318) Skin Sensitivity 1A (H317) Aquatic Acute 3 (H402)	2-6.5%
Trade secret	Polyether polyamine GHS Classification Aquatic 1 (H400) Aquatic 1 (H410)	54-64%

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The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret

Additional GHS classification or other information may be included in the section but has not been adopted by OSHA. See Section 16 for full text of phrases.

WHIMS Trade Secret Registry Number: 6160 Grant date 2/14/2007

4 First aid measures

4.1 Description of first aid measures

After inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms

After skin contact:

Remove contaminated clothing and shoes without delay. Wear impermeable gloves. Wash immediately with plenty of water. Pay particular attention to skin crevices, nail folds, etc. Do not reuse contaminated clothing without laundering. Do not use contaminated leatherware. Obtain medical attention.

After eye contact:

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately

After swallowing:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed.

None known.

4.3 Indication of any immediate medical attention and special treatment needed:

N/A No specific measures have been identified.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use water spray or fog, carbon dioxide or dry chemical

5.2 Special hazards arising from the substance or mixture:

Keep containers cool by spraying with water if exposed to fire.

5.3 Advice for firefighters:

Firefighters, and other exposed, wear self-contained breathing apparatus. Wear full firefighting clothing.

See SDS Section 8 (Exposure Controls/Personal Protection)

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8, wear a two piece suit with hood or PVC overalls with hood.

6.2 Environmental precautions:

Avoid release to the environment

6.3 Methods and material for containment and cleaning up:

Cover spills with some inert absorbent. Sweep up into containers for disposal. Flush spill area with water.

References to other sections: See Sections 7, 8, and 13 for additional information

7 Handling and storage

7.1 Precautions for safe handling

Avoid release to the environment. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Contaminated work clothing should not be allowed out of the workplace.

Do not breathe vapors or spray mist.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool dry well ventilated and tightly closed. Take precautionary measures against electrostatic loading.

7.3 Specific end use(s): keep from freezing. Store at 32-86F could effect quality

8 Exposure controls/personal protection

Additional information about design of technical facilities:

Utilize in a closed system. Where material is not in a closed system, use good ventilation and local exhaust when curing at elevated temperatures.

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

Use an approved respirator where inhalation exposure can occur, a full face mask with organic vapor Type A filter (BP >65C)

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:

Wear protective gloves Nitrile gloves for exposure up to 30 min..

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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.

Safety 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.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Liquid

Color:

yellowish

Odor:

amine like

Odor threshold:

Not Available

pH-value:	10-12
Change in condition	
Melting point/Melting range:	No data available
Boiling point/Boiling range:	212-392F
Flash point:	>212F
Flammability (solid, gaseous):	No data available
Auto/Self-ignition temperature:	>842F
Decomposition temperature:	338F
Self-igniting:	No data available
Danger of explosion:	N/A
Explosion limits	
Lower:	Not established
Upper:	Not established
Vapor pressure at 20 °C:	<25 hPa @20C
Density at 20°C:	67.422 lb./ft ³ (1.08g/cm ³) @ 70°F (21°C)
Relative density:	9.15 pounds per gallon @ 25°C
Vapor density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with Water:	soluble
Specific Gravity 20oC: (Water = 1):	1.1
Viscosity:	10,000-17000 cps (400mPa) @ 77°F
Solvent content:	
Organic solvents:	0
VOC (EC)	0.00%
9.2 Other information	No data available

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10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability: Product is stable

Thermal decomposition / conditions to be avoided: Avoid high heat

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: Avoid contact with epoxides, isocyanates

10.5 Incompatible materials: Acids and isocyanates

10.6 Hazardous decomposition products: Carbon Dioxide and Carbon monoxide

11 Toxicological information

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

Acute toxicity:

Acute Dermal	LD 50	>2,000 mg/kg	Rabbit
Acute Oral	LD 50	>2,000 mg/kg	Rat

Primary irritant effect: Contact with this product can be irritating to exposed skin, eyes and respiratory system.

Sensitization: This product is considered a skin sensitizer.

Additional toxicological information:

None of the ingredients are NOT CLASSIFIED as being carcinogenic, germ cell mutagenicity, or having reproductive toxicity.

12 Ecological information

12.1 Toxicity, Persistence and degradability, Bio accumulative potential, Mobility in soil, and other Adverse effects.

Aquatic toxicity:

very toxic to aquatic life. Very toxic to aquatic life with lasting effects

This material is not readily biodegradable

This material may cause long-term adverse effects in the environment

13 Disposal considerations

13.1 Waste treatment methods

Recommendations:

The person who generates the waste is responsible for determining the waste classification and disposal method.

RCRA WASTE CODE: TBD

EU WASTE CODE: To Be Established

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14 Transport information

14.1 UN-Number

DOT: CAN: ADR: ADN: IMDG: IATA: **UN2735**

14.2 UN proper shipping name

ADR: DOT: CAN: ADR: ADN: IMDG: **POLYAMINES, LIQUID CORROSIVE**
IATA: **N.O.S**

14.3 Transport hazard class(es)

DOT: CAN: ADR: ADN: IMDG: IATA: **Corrosive Marine Pollutant**

Class:8
Label:1

14.4 Packing group

DOT: CAN: ADR: ADN: IMDG: IATA: **II**

14.5 Environmental hazards:

Marine pollutant: **POLYETHER POLYAMINE**

14.6 Special precautions for user

Danger code (Kemler): **No data available**
EMS Number:

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

No data available

Transport/Additional information

ADR
Limited Quantities (LQ)
Excepted Quantities (EQ)

Marine Pollutants-DOT requirements specific to Marine pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

Transport Category:
Tunnel restriction code:

No data available

UN "Model Regulation":

No data available

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15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)

SARA: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Toxic Release Inventory): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

WHMIS Ingredient Disclosure List.

WHIMS Trade Secrete Registry Number(s) 6160 Grant date 2/14/2007

EU- this product is compliant with the registration of REACH as all of its components are either excluded, exempt, and /or registered.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Hazard Statements:

Refer to Section 3 for component Hazard statements

Precautionary Statements:

Prevention: P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product

Response: P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/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.

P310+P330: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

Disposal: P501: Disposal of contents/container to be specified in accordance with State, Federal and

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation.

IATA: International Air Transport Association.

ACGIH: American Conference of Governmental Industrial Hygienists.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.