

Issue Date

Date 6-July-2021

Version 1

## 1. IDENTIFICATION

**Product identifier**

**Product Name** EZ Armor Extended Cure - Part A

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Concrete Coating

**Uses advised against** No Data

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Concrete Technology Inc. 8770 133<sup>rd</sup> Ave N. Largo, FL 33773

**Emergency telephone number**

**Company Phone Number** 800-447-6573

**24 Hour Emergency Phone Number** 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

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

|                                                                              |             |
|------------------------------------------------------------------------------|-------------|
| Acute toxicity - Oral                                                        | Category 4  |
| Acute toxicity - Inhalation (Vapors)                                         | Category 4  |
| Skin corrosion/irritation                                                    | Category 2  |
| Serious eye damage/eye irritation                                            | Category 2A |
| Specific target organ toxicity (single exposure)                             | Category 3  |
| Hazardous to the Aquatic Environment - Long Term (Chronic) Hazard Category 2 |             |

**Label elements**

**Emergency Overview**

**Warning**

**Hazard statements**

H312: Harmful in contact with skin

H317: May cause an allergic skin reaction

H412: Harmful to aquatic life with long lasting effects



|                                           |                              |                    |
|-------------------------------------------|------------------------------|--------------------|
| <b>Appearance</b> Colorless to yellowish. | <b>Physical state</b> liquid | <b>Odor</b> Slight |
|-------------------------------------------|------------------------------|--------------------|

**Precautionary statements**

P264: Wash hands thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product  
 P271: Use only in well ventilated area.  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P370+P378: In case of fire: Use for extinction: CO2, powder or water spray.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P391: Collect spillage.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

PBT: Not applicable  
 vPvB: Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

| Chemical Name                                                    | CAS No.    | Weight-% | Trade Secret |
|------------------------------------------------------------------|------------|----------|--------------|
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer            | 25068-38-6 | 60 - 100 | *            |
| 2,2'-((2,2-Dimethyl-1,3-propanediyl)bis(oxymethylene))bisoxirane | 17557-23-2 | 10 - 30  | *            |
| Nonylphenol                                                      | 25154-52-3 | 1 - 15   | *            |

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

**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).

**4. FIRST AID MEASURES****Description of first aid measures**

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.                                                                                                                                                                                                                                                                                                    |
| <b>Eye contact</b>    | IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                                                                                                                                                                                                               |
| <b>Skin contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.                                                                                                                                                                                                       |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.                                                                                                                                                                                                    |
| <b>Ingestion</b>      | IF SWALLOWED: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional. |

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

**Acute:** This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction. Chronic: Prolonged or repeated skin contact may cause allergic skin reaction or dermatitis.

**Target Organs:**

**Acute:** Eye, Skin

**Chronic:** Skin

**Hazards:** Pre-existing skin or eye problems may be aggravated by exposure to this product.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically. For additional information, see Safety Data Sheet.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide.

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

**Specific hazards arising from the chemical**

In a fire or if heated a pressure increase may occur and the container may burst.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** May be ignited by friction, heat, sparks or flames.

**Protective equipment and precautions for firefighters**

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wear protective gloves/protective clothing and eye/face protection.

**Environmental precautions****Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

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

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for cleaning up** Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** 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. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

**Incompatible materials** Keep away from strong oxidizing agents, strong alkalis, and strong acids.

## 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 vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

### **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.

### **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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state**  
**Appearance**  
**Color**

liquid  
Colorless to yellowish.  
Transparent Liquid - May have slight color due to performance additives.

**Odor**  
**Odor threshold**

Slight  
No data available

| <u>Property</u>                | <u>Values</u>       | <u>Remarks • Method</u> |
|--------------------------------|---------------------|-------------------------|
| pH                             | Not Relevant        |                         |
| Melting point / freezing point | Not Available       |                         |
| Boiling point / boiling range  | Not Applicable      |                         |
| Flash point                    | 230 °F              | CC (closed cup)         |
| Evaporation rate               | Not Available       |                         |
| Flammability (solid, gas)      | Not Relevant        |                         |
| Flammability Limit in Air      |                     |                         |
| Upper flammability limit:      | Not Applicable      |                         |
| Lower flammability limit:      | Not Applicable      |                         |
| Vapor pressure                 | Not Available       |                         |
| Vapor density                  | Not Available       |                         |
| Relative density               | 1.11 @ 70 Degrees F |                         |
| Water solubility               | Insoluble in water  |                         |
| Solubility in other solvents   | Not Available       |                         |
| Partition coefficient          | Not Available       |                         |
| Autoignition temperature       | Not Available       |                         |
| Decomposition temperature      | Not Available       |                         |
| Kinematic viscosity            | Not Available       |                         |
| Dynamic viscosity              | Not Available       |                         |
| Explosive properties           | Not Available       |                         |
| Oxidizing properties           | Not Available       |                         |

**Other Information**

|                  |                      |
|------------------|----------------------|
| Softening point  | Not Relevant         |
| Molecular weight | Not Available        |
| VOC Content (%)  | < 50 g/L (Mixed A&B) |
| Density          | Not Available        |
| Bulk density     | Not Available        |

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not Available

**Chemical stability**

Stable

**Possibility of Hazardous Reactions**

No data available

**Conditions to avoid**

Contact with incompatible materials

**Incompatible materials**

Oxidizing agents and amines should be avoided as these will cause exothermic polymerization. Avoid extreme heat.

**Hazardous Decomposition Products**

Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects:** Toxicity data is available for this product.**Acute Toxicity**

|              |       |                |        |
|--------------|-------|----------------|--------|
| Acute Dermal | LD 50 | > 20,000 mg/kg | Rabbit |
| Acute Oral   | LD 50 | > 5,000 mg/kg  | Rat    |

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

**Sensitization:** This product is considered a skin sensitizer.

**Additional toxicological information:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

**Reproductive toxicity information:** No information concerning the effects of this product and its components on the human reproduction system.

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Aquatic toxicity:** No evidence is currently available on this product's effects on aquatic life.

**Component Data:** CAS# 25085-99-8  
 Fathead Minnow LC50 3 mg/l 96 h  
 Toxicity to daphnia magna EC50 1.4 -1.7 mg/l 24 h  
 Bacteria: IC50 >42.6 mg/l 18 h  
 Biodegradation: 28 days 12% OECD  
 Bioaccumulation: Not readily biodegradable

**Persistence and degradability:** No data available

**Bio accumulative potential:** No data available

**Mobility in soil:** No evidence is currently available on this product's effects on plants or animals.

### Ecotoxicological effects:

#### Remark:

**Additional ecological information:** No data available

**General notes:** No specific data is available for this product; however, this product is expected to be readily biodegradable

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Dispose of in accordance with federal, state and local regulations.                                 |

## 14. TRANSPORT INFORMATION

|                             |                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b><u>DOT</u></b>           | Not regulated                                                                                                            |
| <b>Marine pollutant</b>     | Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| <b><u>IATA</u></b>          |                                                                                                                          |
| <b>UN/ID no.</b>            | 3082                                                                                                                     |
| <b>Proper shipping name</b> | Environmentally Hazardous Substance liquid, N.O.S. (Bisphenol A epoxy resin)                                             |
| <b>Hazard Class</b>         | 9                                                                                                                        |
| <b>Packing Group</b>        | III                                                                                                                      |

**IMDG**

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| UN/ID no.            | 3082                                                                         |
| Proper shipping name | Environmentally Hazardous Substance liquid, N.O.S. (Bisphenol A epoxy resin) |
| Hazard Class         | 9                                                                            |
| Packing Group        | III                                                                          |

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**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.

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

|                                                                                  |
|----------------------------------------------------------------------------------|
| <b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION</b> |
|----------------------------------------------------------------------------------|

|                    |                  |                |                    |                                  |
|--------------------|------------------|----------------|--------------------|----------------------------------|
| <b><u>NFPA</u></b> | Health Hazards 2 | Flammability 1 | Instability 0      | Physical and Chemical Properties |
| <b><u>HMIS</u></b> | Health Hazards 2 | Flammability 1 | Physical Hazards 0 | Personal Protection<br>X         |

**Issue Date**

**Date** 6-July-2021

**Revision Note**

**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**