



# Safety Data Sheet

## E4E-QUICK-PATCH B

### SECTION 1. IDENTIFICATION

<b>Product identifier</b>	E4E-QUICK-PATCH B
<b>Other Means of Identification</b>	None
<b>Recommended Use</b>	Epoxy hardener
<b>Restrictions on Use</b>	Unknown
<b>Supplier Identifier</b>	PA EPOXY
<b>Emergency Phone No.</b>	

### SECTION 2. HAZARD IDENTIFICATION

<b>Classification</b>	Flammable Liquids (Category 4) Acute Toxicity, Oral (Category 4) Acute Toxicity, Dermal (Category 4) Skin Sensitization (Category 1) Respiratory Sensitization (Category 1) Skin Corrosion/irritation (Category 1B) Serious eye damage/irritation (Category 1) Reproductive toxicity, Additional category lactation Reproductive toxicity, fertility (Category 2) Reproductive toxicity, unborn child (Category 1B) Specific target organ toxicity - single exposure (Category 3 irritating to respiratory system) Hazardous to the aquatic environment - acute (Category 1) Hazardous to the aquatic environment - chronic (Category 1)
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#### Label Elements



#### Signal Word

Danger

#### Hazard Statements

- H227 Combustible liquid
- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H317 May cause an allergic skin reaction



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- H314 Causes severe skin burns and eye damage
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H360 May cause harm to breast-fed children
- H361 May damage the unborn child. Suspected of damaging fertility
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

**Precautionary statements**

Prevention:

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P260 Do not breathe dust or mist. P263 Avoid contact during pregnancy/while nursing. P264 Wash with plenty of water and soap thoroughly after handling. 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 should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P341 + P311 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P362 + P364 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use water spray, dry powder, or foam for extinction. P233 Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**GHS Special Labeling: EUH205 - "Contains epoxy constituents. May produce a skin allergy."**

SECTION 3. COMPOSITION		
Chemical Name	CAS No.	% concentration
epoxy adduct	Proprietary	10 - 30 %
isophorone diamine	2855-13-2	10 - 30 %
benzyl alcohol	100-51-6	1 - 10 %
4-nonylphenol, branched	84852-15-3	10 - 30 %
polyoxypropylene diamine	9046-10-0	20 - 40 %
<b>amine curing agent</b>	Mixture	35 - 55 %

**SECTION 4. FIRST-AID MEASURES**



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## First-aid Measures

### **Inhalation:**

F INHALED: Remove person to fresh air and keep comfortable for breathing.

### **Skin Contact:**

Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists or you feel unwell.

### **Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

### **Ingestion:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

## Most Important Symptoms and Effects, Acute and Delayed

### **If inhaled:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### **If on skin:**

Harmful if in contact with the skin. Causes skin irritation. Exposure may produce an allergic reaction

### **If in eyes:**

Causes serious eye damage.

### **If Ingested:**

Ingestion is likely to be harmful or have adverse effects

## Immediate Medical Attention and Special Treatment:

### **Special Instructions:**

If a physician or medical attention is required, have product container or label at hand.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### **Suitable Extinguishing Media**

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>)

#### **Unsuitable Extinguishing Media**

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific Hazards Arising from the Product

During fire, nitrous gases, fumes/smoke, isocyanates and vapour may be formed.

### Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and turn-out gear must be worn in case of fire.



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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and Materials for Containment and Clean up

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not get this material in contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Keep away from sources of ignition -No smoking. Take precautionary measures against static discharge.

### Conditions for Safe Storage

Store locked up. Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

All protective clothing should be appropriately clean and available to dress into before work. The engineering measures or controls and PPE recommendations are only guidelines and may not apply to every situation.

Data not available. For additional information, please consult the corresponding requirements under <http://www.ccohs.ca/topics/hazards/chemical/chemicals/>

### Appropriate Engineering Controls

Provide good local exhaust ventilation to control vapour/mist. Eye wash facilities and emergency



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showers must be available when handling this product.

## Individual Protection Measures



## General Measures

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.

## Eye / Face Protection

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.

## Skin Protection

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product.

## Respiratory Protection

If insufficient ventilation, wear respiratory protection.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste, creamy yellow
Odor	Slight amine odor
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial Boiling Point / Range	Not available
Flash point	>53
Evaporation rate	Not available
Flammability(solid; gas)	Not available
Lower flammable/explosive limit	Not available
Upper flammable/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Solubility	Partial
Partition coefficient – n- Octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	280000-300000 cps

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	Non-reactive
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<b>Chemical stability</b>	Stable under recommended handling and storage conditions
<b>Possibility of Hazardous reactions</b>	This product will polymerize if mixed with an epoxy resin. Considerable heat can evolve.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Epoxy resins under uncontrolled conditions.
<b>Incompatible materials</b>	Strong oxidizing agents and acids.
<b>Hazardous decomposition products</b>	Unknown

## SECTION 11. TOXICOLOGY INFORMATION

### Likely Routes of Administration

Inhalation, skin contact, eye contact, ingestion.

### Acute Toxicity

Oral: Harmful if swallowed.

Dermal: Harmful in contact with skin.

### LD50 and LC50 Data

Not available

### Skin Corrosion/Irritation

Causes skin irritation.

### Serious Eye Damage/ Irritation

Causes serious eye damage

### STOT (Specific Target Organ Toxicity) – Single Exposure Inhalation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Aspiration Hazard

Not classified based on available data.

### STOT(Specific Target Organ Toxicity) – Repeated Exposure

Skin, eyes, central nervous system, respiratory system

### Respiratory and/or Skin Sensitization

No data

### Carcinogenicity

Unknown

### Reproductive Toxicity

Not available

### Germ Cell Mutagenicity

Not available

### Interactive Effects

Not available

## SECTION 12. ECOLOGICAL INFORMATION

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Date of Preparation: August 2020



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Very toxic to aquatic life with long lasting effects.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

## SECTION 14. TRANSPORT INFORMATION

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG II

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG II

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG II

## SECTION 15. REGULATORY INFORMATION

Safety/health Canadian regulations specifics: Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics: Refer to section 3 for ingredient(s) of the DSL.

Safety/health/environmental outside regulations specifics: None

## SECTION 16. OTHER INFORMATION

<b>Date of Preparation</b>	August 2020
<b>Date of Last Revision</b>	June 1, 2014
<b>Revision Indicators</b>	The entire MSDS was change in August 2020 to be in accordance with the WHMIS 2015 which incorporates the Globally Harmonized System of Classification and Labeling of Chemicals for Canadian Workplaces.
<b>References</b>	<ol style="list-style-type: none"><li>1. CHOHS Fact Sheets September 2016 ©CCOHS 2016</li><li>2. Supplier's Material Safety Data Sheet(s)</li></ol>



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Notice: The facts stated and the recommendations made with respect to the use of this product are based on liable information. No guarantee of accuracy is made. Before using, determine the suitability of the product's intended use. The purchaser assumes all risks and liability for losses, damage, or expenses, directly or indirectly, arising from the handling or use of the product or from any other cause. All recommendations are made on condition that PA EPOXY will not be liable for any damages resulting from its use since PA EPOXY cannot control the conditions under which the product will be transported, stored, handled or used by the purchaser.