

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

1.1. Product identifier

Product name: EP Patch Repair Mortar, PART A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Compositions for the building and civil engineering industries e.g. flooring compounds, adhesives, mortars and grouts, solvent free and high-solids coatings, laminating binders

1.3. Details of the supplier of the safety data sheet

Company name: TQ3 North America, Inc.
23 Commerce Road Unit A
Fairfield, NJ 07004
Tel: 973-882-7900
Fax: 973-882-7900
Email: info@tq-3.com

1.4. Emergency telephone number

Emergency telephone number Chemtrec 1-800-424-9300 US
+1 703-527-3887 outside US

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1: H317

Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark
GHS09: Environmental



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Precautionary statements: P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313: Get medical advice/attention.
P501: Dispose of contents/container to in accordance with local regulations.

2.3. Other hazards

Other hazards: Not classified as flammable but will burn.
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-033-5	25068-38-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	50-70%

BISPHENOL F EPICHLOROHYDRIN RESIN WITH NUMBER AVERAGE

-	28064-14-4	-	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411; Eye Irrit. 2: H319	10-30%
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ALIPHATIC GLYCIDYLETHER

-	68081-84-5	-	-	10-30%
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Contains: Blend of liquid epoxy resin(s) and a reactive diluent.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: DO NOT DELAY Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: DO NOT DELAY Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If rapid recovery does not occur, obtain medical attention.

Inhalation: No specific measures.

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

Skin contact: There may be irritation and redness at the site of contact.

[cont...]

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Foam, water spray or fog. Use water spray to cool containers. Unsuitable extinguishing media is water in a jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not classified as flammable but will burn. Carbon monoxide may evolve if incomplete combustion occurs.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. If the material enters drains it should be pumped out into an open vessel, emergency services should be called to assist in this operation.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Refer to section 13 of SDS for suitable method of disposal. Small spillage: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste. Put leaking containers in a labelled drum or overdrum. Large spillages: Transfer to a labelled container for product recovery or safe disposal - otherwise treat as for small spillage.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Store at ambient temperature. Avoid incompatible materials and conditions - see section 10 of SDS.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not required under normal conditions in a well-ventilated workplace. In poorly ventilated areas use an approved organic vapour cartridge mask.

Hand protection: Material of gloves for long term application(BTT>480min) Material of gloves for short term/splash application. Breakthrough time of the glove material > 8 hours. Nitrile gloves. Butyl gloves. Neoprene gloves. PVC gloves. Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US) Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection: Goggles giving complete protection to eyes and eyewash bottle with clean water.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Barely perceptible odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: 11.6 mg/l @ 20°C

Viscosity: 0,7 - 1,1 Pa.s : 25°C ASTMD-445

Boiling point/range°C: 150°C

Flash point°C: >150

Part.coeff. n-octanol/water: Not determined

Autoflammability°C: ca.400°C

Vapour pressure: <0.1 mbar at 20°C

Relative density: 1.120kg/m3 at 25°C

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Reacts with strong oxidising agents.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Caustic soda can induce vigorous polymerisation at temperatures around 200°C

10.5. Incompatible materials

Materials to avoid: Strong mineral acids Caustic soda.

10.6. Hazardous decomposition products

Haz. decomp. products: Hazardous decomposition products are not expected to form during normal storage. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above Polymerises in contact with caustic soda. Reacts exothermically with bases (eg: caustic soda), ammonia, primary and secondary amines, alcohols and acids.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORL	-	LD50	>2000	mg/kg
SKN	-	LD50	>2000	mg/kg

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

ORL	MUS	LD50	15600	mg/kg
ORL	RAT	LD50	11400	mg/kg
SKN	RBT	LD50	>20	ml/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Expected to be not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Sinks in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Sewage treatment: Expected to be practically non toxic, LC/EC/IC 50> 100mg/l.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Recover or recycle if possible, otherwise, incinerate. Dispose to licensed disposal contractor.

Disposal of packaging: Drain container thoroughly. Rinse three times with suitable solvent. Treat rinsings as for product disposal. After draining, vent in a safe place away from sparks and fire. Where practical, containers and packaging should be recycled by a licensed contractor. Arrange for collection by specialised disposal company.

NB: The recommendations given are considered appropriate for safe disposal. However, local regulations may be more stringent and these must be complied with.

Section 14: Transport information

14.1. UN number

UN number: UN3082

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Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: Notification status:

EU - EINECS : Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.

USA - TSCA : Included on Inventory

Canada - DSL : Included on Inventory

Australia - AICS : Included on Inventory.

IECSC : All components listed.

KECI (KR) : All components listed.

Philippines - PICCS : Included on Inventory.

Phrases used in s.2 and s.3: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

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Legal disclaimer:

TQ3 urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the printed date. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the production are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDS's, we are not and cannot be responsible for SDS's obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version