

MONOBOND EP5



Material Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

Product Name: MONOBOND EP5
Chemical Family: Epoxy bonding agent for concrete
Manufacturer: Starke Construction Chemicals
Tel. +256 787 288 087
Email: info@starkepolymers.com
Website: www.Starke polymers.com

COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Aromatic amine curing agent, accelerator and additives.

Hazardous Ingredient(s): Symbol Risk Phrases CAS No. %
Epoxy curing agent: T, Xn R20/21/22, 23/24/25, 39,43, 45
 48, 51/53 > 80

Epoxy accelerator: Xn R22, 36/38 90-72-2 < 10

Refer to Section 8 for Occupational Exposure Limits

HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation, in contact with skin and if swallowed. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin.

- Danger of very serious irreversible effects.
- May cause sensitization by skin contact.
- May cause cancer.
- Danger of serious damage to health by prolonged exposure.
- Toxic to aquatic organism, may cause long-term affects in the aquatic environment.

FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.

Skin: Remove contaminated clothes and shoes. Wash immediately with running water. Obtain medical advice if there are burns or symptoms of poisoning.

Inhaation: Remove from exposure, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

Ingestion: Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

FIRE FIGHTING MEASURES

Special Exposure Hazards: Toxic fumes.

Extinguishing Media: Carbon dioxide

Personal Protective Equipment: Self-contained breathing apparatus. Standard aluminized suit.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak up with inert absorbent like sand. Gather into labeled containers. Dispose off as applicable regulations.

HANDLING AND STORAGE

Handling: Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.

Storage: Keep container tightly closed in a cool dry area. Keep away from food containers.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye protection: Tightly sealed safety glasses/goggles.

Skin contact: Impervious gloves (e.g. PVC). Suitable protective clothing.

Respiratory Protection: Breathing filters apparatus.

Engineering controls: Use only in well ventilated area. Local exhaust ventilation is recommended.

Exposure Guidelines: None assigned.

PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Green
Odour:	Amine
Relative Density (@25oC):	1.3
Water Solubility:	Not miscible or difficult to mix.

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
 Ingredient: 1,2-Epoxy-3-Phenoxypropane; SKN GPG
 LD50 1665mg/ kg.

ECOLOGICAL INFORMATION

Environmental Assessment:	No information.
Mobility:	No information.
Degradability:	No information.
Bioaccumulation:	No information.
Acute Fish Toxicity:	No information.

DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. May be reacted with base component to give an inert polymeric material.

Used/Contaminated Product: classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.

Packaging: Must be disposed off through an authorized waste contractor.

TRANSPORT INFORMATION



UN Number: 2810

Transport Name: Toxic liquids, n.o.s.
TOXIC 6

Transport Type: **Class:** **Pack Group:** **Marine Pollutant**

At Sea IMO 6.1 III

No

Air Transport IATA/ICAO 6.1 III

At land RID/ADR 6.1

REGULATORY INFORMATION

Hazard not Data:



TOXIC T



DANGEROUS TO
ENVIRONMENT

UN Number: 2810

Risk Phrases:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

R39 Danger of very serious irreversible effects.

R43 May cause sensitization by skin contact.

R45 May cause cancer .

R48 Danger of serious damage to health by prolonged exposure.

R51/53 Toxic to aquatic organisms, may cause longterm adverse in the aquatic environment.

Safety Phrases:

S24 Avoid contact with skin. Wear suitable gloves.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid exposure – obtain special instructions before use.

S37 Avoid contact with skin.

S45 Wear suitable gloves.

S53 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53 Avoid exposure – obtain special instructions before use.

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- **Concrete admixtures.**
- **Surface treatments**
- **Grouts and anchors.**
- **Concrete repair.**
- **Flooring Coating**
- **Sealants.**
- **Waterproofing.**
- **Adhesives.**



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Important note :

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