



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

SECTION 1: IDENTIFICATION

1.1 GHS Product Identifier

Product name FLAGPOX 5010 (Hardener)

1.2 Other means of Identification

Pasty gel

1.3 Recommended use of the chemical and restrictions on use

Hardening agent for FLAGPOX 5010 resin.

1.4 Supplier's details

Name	ZYAX Chem Pvt. Ltd.,
Address	Third Floor, kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, INDIA.
Contact	+91 87792 40420
Email	info@zyax.in
Website	www.zyax.in

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, inhalation, Cat. 5
- Acute toxicity, oral, Cat. 4

2.2 GHS label elements, including precautionary statements

Pictograms Warning

Hazard statement(s)

H302	Harmful if swallowed
H332	Harmful if inhaled

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents/container to ...

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product contains the following components with other non-hazardous additions.

Hazardous components

1. Benzyl alcohol

Concentration	15 - 30 % (weight)
EC no.	202-859-9
CAS no.	100-51-6
Index no.	603-057-00-5

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H302	Harmful if swallowed
H332	H332 Harmful if inhaled

2. 1,3-Cyclohexanedimethanamine

Concentration	5 - 50 % (weight)
EC no.	219-941-5
CAS no.	2579-20-6

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

General advice	Take affected person out into fresh air. Position and transport stably in side position. Remove any soiled clothing
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders
Basic PPE

4.2 Most important symptoms/effects, acute and delayed

Allergies, sickness, difficulty breathing and coughing.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Unconsciousness.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Benzyl alcohol: Carbon oxides

FLAGSTONE FIX
Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

6.2 Environmental precautions

Do not dispose in sewage.

6.2 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal. Dispose according to local and national regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep containers tightly closed. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2 Individual protection measures, such as personal protective equipment (PPE)

Product does not contain materials that require special control parameters.

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Sigma-Aldrich - 305197 Page 4 of 8

Material: butyl-rubber

Minimum layer thickness: 0.3 mm

Break through time: 480 min

Material tested:Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 43 min

Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose

combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

Physical state	Solid
Appearance	Pasty
Color	Transparent
Odor	Characterisitc
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	Product is not flammable.
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	1.05-1.07
Solubility	Miscible but not soluble in water.
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	Product is not auto-igniting.
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	Product is not explosive.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Strong exothermic reaction with acids and oxidizing agents.

10.4 Conditions to avoid

Exposure to moisture.
Avoid storing in direct sunlight and avoid extremes of temperature.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

10.5 Incompatible materials

Benzyl alcohol: Strong oxidizing agents

10.6 Hazardous decomposition products

Benzyl alcohol: Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Benzyl alcohol: LD50 Oral - Rat - 1,230 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement. Behavioral:Coma.

LD50 Oral - Rat - male - 1,620 mg/kg

Dermal: No data available

The ATE (gas inhalation) of the mixture is: 15000 ppmV

The ATE (vapor inhalation) of the mixture is: 36.67 mg/l

The ATE (oral) of the mixture is: 1666.67 mg/kg bw

Skin corrosion/irritation

Benzyl alcohol: Benzyl alcohol

OECD Test Guideline 404 Skin - Rabbit - 24 h

Result: No skin irritation

Serious eye damage/irritation

Benzyl alcohol: Benzyl alcohol

OECD Test Guideline 405 Eyes - Rabbit - 24 h

Result: Eye irritation

Respiratory or skin sensitization

Benzyl alcohol: No data available.

Germ cell mutagenicity

Based on available data, classification data are not met

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

Carcinogenicity

Benzyl alcohol: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on available data, classification data are not met

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

May be harmful if swallowed and enters airways

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Benzyl alcohol: Benzyl alcohol

LC50 - Lepomis macrochirus (bluegill) - 10 mg/l - 96 h

Benzyl alcohol

LC50 - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h

Benzyl alcohol

EC50 - Daphnia magna (water flea) - 55 mg/l - 24 h

Benzyl alcohol

LC50 Percutaneous - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h

Benzyl alcohol

LC50 Percutaneous - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h

Persistence and degradability

Benzyl alcohol: Benzyl alcohol

Biotic/Aerobic - Exposure time 28 d

Result: Result: 92 - 96 % - Readily biodegradable

Benzyl alcohol

Aerobic Biochemical oxygen demand - Exposure time 7 d

Result: Result: 92 - 96 % - Readily biodegradable

(OECD Test Guideline 301C)

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

Bioaccumulative potential

Benzyl alcohol: No data available.

Other adverse effects

Benzyl alcohol: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Product disposal

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Packaging disposal

Dispose of as unused product.

Waste treatment

Treat in accordance with local and national regulations.

Sewage disposal

Do not dispose product in sewage.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN Number: UN 1719

Class: 8 (C5) Corrosive substances Packing Group: II

Proper Shipping Name: 1719 CAUSTIC ALKALI LIQUID, N.O.S.

Marine pollutant: No

Poison inhalation hazard: No

IMDG

UN Number: UN 1719

Class: 8 (C5) Corrosive substances Packing Group: II

EMS Number: F-A, S-B

Proper Shipping Name: 1719 CAUSTIC ALKALI LIQUID, N.O.S.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

IATA

UN Number: UN 1719

Class: 8 (C5) Corrosive substances

Packing Group: II

Proper Shipping Name: 1719 CAUSTIC ALKALI LIQUID, N.O.S.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

Pennsylvania Right To Know Components

Benzyl alcohol

CAS number: 100-51-6

Massachusetts Right To Know Components

Benzyl alcohol

CAS number: 100-51-6

New Jersey Right To Know Components

Benzyl alcohol

CAS number: 100-51-6

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)

Chemical name: Benzenemethanol

CAS: 100-51-6

Canadian Domestic Substances List (DSL)

Chemical name: 1,3-Cyclohexanedimethanamine

CAS: 2579-20-6

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (HARDENER)

SECTION 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.

Contact:

Email:

Date of issue:

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

SECTION 1: IDENTIFICATION

1.1 GHS Product Identifier

Product name FLAGPOX 5010 (Resin)

1.2 Other means of Identification

Almost transparent gel

1.3 Recommended use of the chemical and restrictions on use

Epoxy based surface and joint filler

1.4 Supplier's details

Name	ZYAX Chem Pvt. Ltd.,
Address	Third Floor, kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, INDIA.
Contact	+91 87792 40420
Email	info@zyax.in
Website	www.zyax.in

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictograms Warning

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear eye protection/face protection/protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to ...

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product contains the following components with other non-hazardous additions

Hazardous components

1. EPOXYRESIN, reaction product: BISPHENOL-A(EPICHLOROHYDRIN), average molecule wei

Concentration	60 - 90 % (weight)
EC no.	500-033-5
CAS no.	25068-38-6
Index no.	603-074-00-8

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

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
SCLs/M-factors/ATEs	Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

General advice	Take affected person out into fresh air. Position and transport stably in side position. Remove any soiled clothing
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders
Basic PPE

4.2 Most important symptoms/effects, acute and delayed

Allergies and sickness. Difficulty in breathing and coughing.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Unconsciousness

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Formation of toxic gases is possible. In case of fire, carbon monoxide may be released.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

5.3 Special protective actions for fire-fighters

Wear fully protective suit. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

6.2 Environmental precautions

Do not dispose in sewage.

6.2 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal. Dispose according to local and national regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep containers tightly closed. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage.

FLAGSTONE FIX
Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Appropriate engineering controls

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Individual protection measures, such as personal protective equipment (PPE)

Product does not contain materials that require special control parameters.

Eye/face protection

Basic PPE for prolonged and intense exposure

Skin protection

Avoid touching product with bare hands. Butyl rubber gloves recommended.

Respiratory protection

Not necessary if adequate ventilation is available in room. Wear a short term filter device if not ventilated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

Physical state	Solid
Appearance	Pasty gel
Color	Colorless
Odor	Characteristic of epoxy
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability	Product is not flammable
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	1.17-1.20
Solubility	Not soluble in water
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	Product is not explosive

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions. May produce violent reactions with some bases, alcohols and amines.
Strong exothermic reaction with strong acids.

10.4 Conditions to avoid

Do not let product mix with water or excess moisture.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Epoxy resin

Oral: LD50

20,000 mg/kg (mouse)

19,800 mg/kg (rabbit)

11,400 mg/kg (rat)

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/irritation

Causes eye irritation.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on available data, classification data are not met

Specific target organ toxicity (STOT) - single exposure

Based on available data, classification data are not met

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

May be harmful if swallowed and enters airways

SECTION 12: ECOLOGICAL INFORMATION

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Product disposal

Dispose according to local and national regulations.

Packaging disposal

Dispose contaminated packaging in accordance with local and national regulations.

Waste treatment

Treat waste in accordance with local and national regulations.

Sewage disposal

Do not directly dispose in sewage. Treat in accordance with local and national regulations before disposal.

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

| ✉ info@zyax.in

| 🌐 www.flagstonefix.com



FLAG STONE FIX
STONE CARE EXPERTS



Material Safety Data Sheet(MSDS)

FLAGPOX 5010 (RESIN)

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN Number: UN 3082

Class: 9 (M6) Miscellaneous dangerous substances and articles

Packing Group: III

Proper Shipping Name: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis[4-(2,3-epoxypropoxy)phenyl]propane)

Marine pollutant: Yes

Poison inhalation hazard: No

IMDG

UN Number: UN 3082

Class: 9 (M6) Miscellaneous dangerous substances and articles

Packing Group: III

EMS Number: F-A, S-F

Proper Shipping Name: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis[4-(2,3-epoxypropoxy)phenyl]propane)

IATA

UN Number: UN 3082

Class: 9 (M6) Miscellaneous dangerous substances and articles

Packing Group: III

Proper Shipping Name: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

Canadian Domestic Substances List (DSL)

Chemical name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

CAS: 25068-38-6

SECTION 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.

Contact:

Email:

Date of issue:

FLAGSTONE FIX

Zyax Chem PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

🌐 www.flagstonefix.com