

SECTION 1: IDENTIFICATION OF THE SUBSTANCE

Brand name	Floors of Stone - Ultra Dry Moisture Barrier - Part A
Recommended use	Concrete moisture barrier.
Supplier	Floors of Stone, Cotes Mill, Nottingham Road, Loughborough, Leicestershire, LE12 5TL
Telephone	+44 (0) 1509 234000
Office hours	08:30 - 17:00 (Mon - Fri) 10:00 - 17:00 (Sat)
Emergency contact	NHS Direct (+44 111) Floors of Stone +44 (0) 1509 234000 08:30 - 17:00 (Mon - Fri)
Other means of identification	Chemical family - epoxy resin dispersion in water and 2-propoxyethanol.

SECTION 2: HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard : 29 CFR Part 1910.1200

According to Regulation (EC) No. 1272 / 2008 (CLP)

2.1 Classification of the product

Health hazard.

2.2 Label elements

- Moderately toxic and harmful if swallowed, inhaled, absorbed through skin.
- Can cause severe eye irritation.

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- Skin irritant. Skin sensitizer.
- May cause damage to red blood cells.

2.3 Labelling of special preparations (GHS)

According to Regulation 1994 OSHA Hazard Communication Standard : 29 CFR Part 1910.1200

According to Regulation (EC) No. 1272 / 2008 (CLP)

None required.

2.4 Emergency overview

Use proper ventilation. Do not mix with Part B until ready for use. Produces exothermic reaction.

Do not mix in large quantities.

Caution

- May cause skin irritation if not removed after skin contact.
- Use in well ventilated area or with local exhaust ventilation.
- Use suitable protective equipment for eyes, skin protection.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

According to Regulation 1994 OSHA Hazard Communication Standard : 29 CFR Part 1910.1200

According to Regulation (EC) No. 1272 / 2008 (CLP)

This product does not contain any components classified as hazardous under the referenced regulation.

CAS number	Content	Chemical Name
Proprietary	< 55	Modified BPA / ECH Epoxy resin
7731-18-5	35 - 39	Water
2807-30-9	08 - 12	2-Propoxyethanol

SECTION 4: FIRST AID MEASURES

4.1 General advice

Remove material from contact immediately and apply recommended first-aid procedure. Get medical attention immediately if symptoms occur.

If inhaled Remove individual to fresh air. Administer oxygen if necessary. Seek medical attention.

If on skin Remove from skin and wash with mild soap and water for at least 15 minutes. If irritation persists, seek medical attention. Do not reuse contaminated clothing unless thoroughly cleaned. Contaminated leather articles such as shoes cannot be decontaminated and should be destroyed.

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If in eyes Open eyelids and flush with running water for at least 15 - 20 minutes. If irritation persists, seek medical attention.

If swallowed Seek medical attention immediately. Do not induce vomiting. This might cause chemical pneumonitis.

4.2 Most important symptoms and effects, both acute and delayed

Acute May cause headache, skin rash, and central nervous system depression.

Delayed / Chronic May cause narcosis, unconsciousness from inhalation. May cause dermatitis from chronic skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention.

4.4 Note to physician

Symptoms Skin sensitization may be evidenced by rashes especially hives. Damage to blood forming organs may be evidenced by easy fatigability and pallor, decrease resistance to infection, and excessive bruising and bleeding.

Treatment Symptomatic treatment. If more than 2.0ml per kilogram has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Carbon dioxide, foam, dry chemicals and water fog.

5.2 Special hazards arising from the substance or mixture

Material will not burn unless pre-heated.

5.3 Advice for fire-fighters

Water may spread burning liquid. Avoid direct stream of water. Use water spray only to cool containers exposed to flames. Do not enter closed or confined work area without proper protective equipment. Use self-contained breathing apparatus and turn out gear. If leak or spill has not ignited, use water fog to disperse vapours.

5.4 Further information

Dispose of debris and contaminated clothing in accordance with official regulations.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Spillage

Slip hazard when spilled. Evacuate area and report incident immediately. Material will burn but not easily ignitable.

6.2 Personal precautions, protective equipment and emergency procedures

Use suitable personal protective clothing. Avoid contact with skin and eyes. Avoid inhalation of vapours.

6.3 Environmental precautions

Do not release spilled material into natural waters, drains, watercourses or sewers. During any spill dike and contain the area if required and block all natural waterways.

6.4 Methods and material for containment and cleaning up

Use absorbent (clay / sand) to remove large volume. Scrape residual amount and place in suitable containers. Dispose of in line with Section 13.

SECTION 7: HANDLING & STORAGE PRECAUTIONS FOR SAFE HANDLING

7.1 Handling

Use in a well ventilated place. Always use protective equipment when handling material to avoid direct contact and safe handling practices for chemicals. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Store in suppliers original labelled packages in cool, dry conditions. Protect against physical damage and do not puncture. Material will burn but not easily ignitable. Keep away from sources of ignition.

SECTION 8: EXPOSURE CONTROL

8.1 General

Maintain proper ventilation. Keep away from sources of ignition. Avoid skin and eye contact. Avoid inhalation. Use in well ventilated area. Open doors and windows if necessary. If insufficient ventilation, use respirator with local exhaust and not closed air-circulating system.

8.2 Personal protective equipment (PPE)

Respiratory

Use in well ventilated areas and avoid inhalation of vapours. If insufficient ventilation use suitable respirator - NIOSH, local exhaust ventilation not closed air-circulating system.

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Skin	Avoid contact with skin. Wear suitable chemical resistant gloves (PVC), coveralls and boots.
Eyes	Avoid contact with eyes. Wear suitable safety glasses, goggles, or face shield.

8.3 General hygiene and safety measure

- Do not eat, drink or smoke whilst using this product.
- Wash hands immediately after use.
- Launder contaminated clothing before re-use.
- Always use suitable protective equipment to avoid direct contact.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Form	Viscous white liquid with epoxy odour.
PH value	7.5 - 9.5
Melting point	No data available.
Flash point	> 212 °F
Boiling point	> 212 °F
Flammability	Material will burn.
Lower / Upper explosion limit	Not applicable.
Vapour pressure	< 2 kPa at 68 °F
Density	8.95 - 9.51 lbs per gallon.
Relative density	1.07 - 1.14 grams / cm ³
Vapour density	Not applicable.
Partition coefficient n-octanol / water	No data available.
Self-ignition temperature	No data available.
Miscibility in water	Miscible.
Solubility in water	Insoluble.
Evaporation rate	No data available.
Viscosity, dynamic	8,000 - 18,000 cps

SECTION 10: STABILITY & REACTIVITY

Reactivity	Stable.
Chemical stability	None known.
Possibility of hazardous reactions	None, product is stable.

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Conditions to avoid	Reaction with strong acids and bases in bulk. Will release considerable heat when curing. Do not mix with curing agent in large volume.
Incompatible materials	Strong oxidising agents, strong mineral acids, strong mineral and organic bases, primary and secondary aliphatic amines.
Hazardous decomposition products	Oxides of carbon, water and organic compounds of unknown structures. Do not breathe smoke or fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Primary routes of exposure

Respiratory, eyes, skin. Ingestion is not likely but might cause gastric disturbances.

11.2 Acute toxicity / effects

Acute toxicity (compiled based on the data supplied by supplier):

May cause headache, skin rash, central nervous system depression.

Acute oral effects LD50 > 2000mg / kg

Acute dermal toxicity LD50 > 2000mg / kg

11.3 Chronic toxicity / effects

Sensitization Moderate skin sensitizer.

Skin Sensitizer.

Eyes Irritant.

Inhalation May cause respiratory tract irritation, Maybe harmful if inhaled. May cause damage to red blood cells.

Reproduction Possible impaired fertility.

11.4 Repeated dose toxicity

May cause dermatitis from chronic skin contact. Respiratory tract infection.

Genetic toxicity No data available.

Carcinogenicity No data available.

Reproductive toxicity No data available.

Teratogenicity No data available.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 General information

Information is based on components and toxicology of similar products.

Biodegradability	Readily biodegradable
Bioaccumulation	Contains components with potential to bioaccumulate
Fish toxicity	LC50 < = 100mg / l
Algae toxicity	LC50 < = 100mg / l
Invertebrate toxicity	LC50 < = 100mg / l
Sewage treatment	Expected to be non toxic

SECTION 13: DISPOSAL CONSIDERATIONS

Waste material and empty un-cleaned packages should be disposed of in accordance with National Environmental Regulations.

EU waste code number - 08-04-10

SECTION 14: TRANSPORT INFORMATION

This material is not classified as dangerous for transport by road and sea.

Proper shipping name	Not applicable.
Proper hazard code	None hazardous.
Hazard code	None hazardous.
Bill of landing description	Adhesive, Cement, NOI.

SECTION 15: REGULATORY INFORMATION

CHIP	Identification of special ingredients	None
	Hazard symbols	None
	Risk phrases	None
	Safety phrases	None

TSCA Chemicals contained in the product are either listed or exempt in the U.S EPA TSCA inventory list.

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SARA Title III, Section 312 Hazard Class None

EPA SARA Title III Section 312 None

CA Prop 65 None

SECTION 16: OTHER INFORMATION

Floors of Stone believes the data set forth herein is accurate as of the data hereof. Floors of Stone makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.