

Issue date: 26 February 2013
Revision: 01
Supersedes/Cancel: 01 July 2011

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Epoxy Adhesive

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Join It

Mixture

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

Use of the Mixture Pavement Mortar Jointing

1.3 Details of the supplier of the safety data sheet Company

Join-It
Main Street,
Craughwell
Co. Galway,
Ireland.
Email: info@joinit.ie

1.4 Emergency telephone number

Telephone Number: + (353) 91 846800

Hours of business (Monday to Friday): 0830 – 1730 hrs.

Closed Bank Holidays and Public Holidays

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC):

Risk Phrases: R36 Irritating to eyes

Safety Phrases: S2 Keep out of reach of children.
S7 Keep container tightly sealed.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S39 Wear eye/face protection

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Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Hazard statements: H319 Causes serious eye irritation.
Precautionary Statements P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC No.	content [%]
Linseed oil	8001-26-1 / 232-278-6		
Mixed epoxy resins	n.a		40 - 42

Linseed oil contains mainly of natural triglycerides from oleic, linoleic, cetylic acid, linolenic acid and stearic acid

Epoxy adhesive hardening agent, formulation on aliphatic polyamine basis. The liquid aliphatic polyamines and their adducts are convenient to handle, give excellent cured resin physical characteristics, including chemical and solvent resistance and cure at ambient or moderately elevated temperatures. Good long-term retention of properties is possible at temperatures up to 100°C. Short-term exposure at higher temperatures can be tolerated.

SECTION 4: FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes thoroughly with water for several minutes occasionally lifting the upper and lower eyelids. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Skin Contact: Remove the contaminated clothing and wash the skin thoroughly with plenty of soap and water. If irritation persists, seek medical attention.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, rinse out mouth and seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Products of combustion May produce carbon monoxide, carbon dioxide and irritating or toxic vapors, gases or particulate.

Fire Hazard: Flammable in the presence of open flames, sparks, or heat.

Explosion Hazard: Can react with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. Material may polymerize when container is exposed to heat (fire) and polymerization will increase pressure in a closed container which may cause the container to rupture violently

5.2 EXTINGUISHING MEDIA

Extinguishing Media:

- Water fog or fine spray.
- Dry powder fire extinguishers.
- Carbon dioxide fire extinguishers.
- Foam.

5.3 PROTECTION OF FIRE FIGHTERS

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localise fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.

Special Protective Equipment for Firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Unusual Fire and Explosion Hazards:

Mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate.

Hazardous Combustion Products:

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to:
Phenolic compounds. Carbon monoxide. Carbon dioxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protection of personnel: Wear eye protection, protective gloves, work overalls and footwear

Environmental precautions: Dilute with plenty of water.

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Method of disposal:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Dispose of the collected material according to the regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Users will:

- Use only outdoors or in a well-ventilated area.
- Practice care and caution to avoid skin and eye contact.
- Wash hands thoroughly after handling
- Not eat, drink or smoke when using this product
- Avoid breathing vapours of heated material.
- Keep all containers sealed when not in use.
- Wear the appropriate personal protective equipment

7.2 STORAGE

The adhesive will be:

- Stored in a well ventilated / cool area / storehouse, away from sources of heat / combustible materials
- Stored in the shade.
- Stored in the original containers with the appropriate markings.
- Protected against accidental damage to the containers while in storage / transit / use.
- Isolated from other chemicals
- Protected from accidental mixing with other compounds

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

- ⇒ **Ventilation:** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some indoor operations.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear tightly fitting chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

Skin Protection: No precautions other than clean body-covering clothing should be needed. Normal work-wear EN 340.

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Hand protection: Gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimised.

Respiratory Protection: In dusty or misty atmospheres, use an approved particulate respirator. Use the CE approved air-purifying respirator.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.



8.3 EXPOSURE GUIDELINES

Exposure Guidelines: The product does not contain ingredients that require tolerance limit monitoring.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Yellow transparent / amber
Odour	Mild
Autoignition:	This product is not self inflammable
Ignition Temperature	490(C°)
Explosion Risk:	The product is not an explosion risk.
Solubility:	Soluble in propanone, ethylene glycol, toluene

SECTION 10: STABILITY AND REACTIVITY

Stability: Material is stable under normal conditions.

Conditions to Avoid: Excessive heat, High energy sources of ignition.

Incompatible Materials: Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

Thermal Decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Uncontrolled exothermic reaction of epoxy adhesives release phenolics, carbon monoxide / dioxide

Materials to Avoid: Strong oxidizers

Hazardous Polymerisation: unknown

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50, Rat: > 2,000 mg/kg (Oral Rat)
Ingestion: low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.
Eye Contact: may cause slight temporary eye irritation. Corneal injury is unlikely. Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin Contact: irritating to skin.
Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Inhalation: vapors are unlikely due to physical properties. No adverse effects are anticipated from single exposure to dust.

Repeated Dose Toxicity:

based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Chronic Toxicity and Carcinogenicity:

similar epoxy adhesive did not cause cancer in long-term animal studies.

Genetic Toxicology: No data available

SECTION 12: ECOLOGICAL INFORMATION

Movement & Partitioning: In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

Persistence and Degradability: Surface photo-degradation is not expected with exposure to sunlight. No appreciable bio-degradation is expected.

Ecotoxicity: Not expected to be acutely toxic.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Any disposal practice must be in compliance with all local and national laws and regulations and material characteristics at time of disposal. Do not dump into any sewers, on the ground, or into any body of water. Since regulations vary, consult applicable regulations or authorities before disposal.

Empty Container Warning:

Empty containers may retain residue and can be dangerous. Do not attempt to refill or clean container since residue is difficult to remove. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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SECTION 14: TRANSPORT INFORMATION

ID Number(s): UN 1866

Please contact the emergency numbers listed on the first page of the SDS for Transportation information for this material.

SECTION 15: REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

SECTION 16: OTHER INFORMATION

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Hazard symbol

Full text of R-phrases referred to under sections 2 and 3

R36 Irritating to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H319 Causes serious eye irritation.

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Note: *Joint-IT encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.*

Additional information on this product may be obtained by contacting the supplier or customer service contact. Ask for a product brochure.

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. **Joint-It** makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users.