



SAFETY DATA SHEET

Based on regulation (EC) No. 1907/2006 (REACH) Article 31 Annex II

EPOXY RESIN (Component A)

1. Identification of the substance/preparation and the company/undertaking

Product name Epoxy resin, base

Product code JF375E

product use Installation of rebar and threaded rod into concrete.

Company
JCP Construction Products
Unit 07 Princess Court, Horace Rd
Kingston, Surrey KT1 2SL

Tel +44 208 546 6545
Fax +44 208 546 6019

email jcpenquiries@owlett-jaton.com

Telephone number for emergencies
Tel +44 208 546 6545

2. Hazards identification

Main Hazards Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment

Other Hazards May cause sensitisation by skin contact

3. Composition/Information on ingredients

Hazardous ingredients BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 30-50%

EINECS: 500-033-5 CAS: 25068-38-6

[Xi] R36/38 [Sense] R43 [N] R51/53

4. First aid measures (Symptoms)

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

Eye Contact There may be irritation and redness

Ingestion There may be soreness and redness of the mouth and throat

Inhalation There may be irritation of the throat with a feeling of tightness in the chest

4. First aid measures (Actions)

Skin contact Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to clothing. Consult a doctor.

Eye Contact Bathe the eye for 15 minutes with running water. Consult a doctor.

Ingestion Do not induce vomiting. Consult a doctor.

Inhalation Remove casualty from exposure ensuring one's own safety while doing so. If conscious ensure the casualty sits or lies down.

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EPOXY RESIN (Component A)

5. Fire fighting measures

Extinguishing media	Carbon dioxide Dry chemical powder
Exposure hazards	In combustion emits toxic fumes of carbon dioxide, carbon monoxide.
Protection of firefighters	Wear self contained breathing apparatus

6. Accidental release measures

Personal precautions	Refer to section 8 of SDS for personal protection details.
Environmental precautions	Do not discharge into drains or rivers.
Clean up procedures.	Transfer to a suitable container

7. Handling and Storage

Handling Requirements	Ensure there is sufficient ventilation in the area
Storage conditions	Store in a cool, well ventilated area
Suitable packaging	Must only be kept in original packaging

8. Exposure controls/personal protection

Engineering measures	Ensure there is sufficient ventilation in the area
Respiratory protection	Self-contained breathing apparatus must be available in case of an emergency
Hand protection	Protective gloves
Eye protection	Safety goggles
Skin protection	Protective clothing

9. Physical and Chemical properties

State	Paste
Colour	Off white
Odour	Characteristic odour
Evaporation rate	Negligible
Solubility in water	Insoluble
Also soluble in	Most organic solvents
Viscosity	Highly viscous
Boiling point/range°C	>200
Flash point°C	>100
Relative density	1.5

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EPOXY RESIN (Component A)

10. Stability and reactivity

Stability	Stable under normal conditions
Conditions to avoid	Direct sunlight. Heat
Materials to avoid	Acids. Bases. Oxidising agents
Haz. Decomp. Products	In combustion emits toxic fumes of carbon dioxide, carbon monoxide.

11. Toxicological information

Hazardous ingredients	BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} ORL MUS LD50 15600 mg/kg ORL RAT LD50 11400 mg/kg SKN RBT LD50 >20ml/kg
Chronic toxicity	May cause sensitisation by skin contact
Routes of exposure	Refer to section 4 of SDS for routes of exposure and symptoms

12. Ecological information

Mobility	Heavier than water
Persistence & degradability	Only slightly biodegradable.
Bio accumulative potential	No data available
Other adverse effects	Toxic to aquatic organisms

13. Disposal considerations

Disposal operations	Transfer to a suitable container and arrange for collection by a specialist disposal company
Disposal of packaging	Arrange for collection by a specialist disposal company
NB	The users attention is drawn to the possible existence of regional or national regulations.

14. Transport Information

ADR/RID

UN no.	3077	ADR Class	9
Packing group	III	Classification code	M7
Shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
Labelling	9	Hazard ID no	90



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EPOXY RESIN (Component A)



IMDG/IMO

UN no.	3077	Class	9
Packing group	III	EmS	F-A, S-F
Packing instructions	911		
labelling	9		

IATA/ICAO

UN no.	3077	Class	9
Packing group	III		
Packing instructions	911		
labelling	9		

15. Regulatory Information

Hazard symbols	Dangerous to the environment Irritant  
Risk phrases	R36/38: Irritating to eyes and skin R43: May cause sensitisation by skin contact R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Safety phrases	S2: Keep out of reach of children S24: Avoid contact with skin S29: Do not empty into drains S37: wear suitable gloves S61: Avoid release into the environment. Refer to special instructions/safety data sheet
Precautionary phrases	Contains epoxy constituents. See information supplied by the manufacturers
Note	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The users attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other Information

Risk Phrases used in s.3	R36/38 Irritating to eyes and skin R43 May cause sensitisation by skin contact R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.



SAFETY DATA SHEET

Based on regulation (EC) No. 1907/2006 (REACH) Article 31 Annex II

EPOXY RESIN (Component B)

1. Identification of the substance/preparation and the company/undertaking

Product name Epoxy resin, activator

Product code JF375E

product use Installation of rebar and threaded rod into concrete.

Company JCP Construction Products
Unit 07 Princess Court, Horace Rd
Kingston, Surrey KT1 2SL

Tel +44 208 546 6545
Fax +44 208 546 6019

email jcpenquiries@owlett-jaton.com

Telephone number for emergencies
Tel +44 208 546 6545

2. Hazards identification

Main Hazards Harmful if swallowed. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

Other Hazards May cause sensitisation by skin contact

3. Composition/Information on ingredients

Hazardous ingredients NONYLPHENOL 10-30%
EINECS: 246-672-0 CAS: 25154-52-3
[Xn] R62; [Xn] R63; [Xn]R22; [C] R34; [N] R50/53

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 1-10%
EINECS: 202-013-9 CAS: 90-72-2
[Xn] R22; [Xi] R36/38

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE 1-10%
EINECS: 220-666-8 CAS: 2855-13-2
[Xn] R62; [Xn] R63; [Xn]R22; [C] R34; [N] R50/53

BENZYL ALCOHOL
EINECS: 202-859-9 CAS: 100-51-6
[Xn] R20/22

4. First aid measures (Symptoms)

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

Eye Contact There may be severe pain. Corneal burns may occur. May cause permanent damage

Ingestion Corrosive burns may appear around the lips. There may be vomiting. Onset of symptoms may be delayed for a few hours.

Inhalation There may be shortness of breath with a burning sensation in the throat. Onset of symptoms may be delayed for a few hours.

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EPOXY RESIN (Component B)

4. First aid measures (Actions)

Skin contact	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to clothing. Transfer to hospital if there are burns or symptoms of poisoning
Eye Contact	Bathe the eye for 15 minutes with running water. Transfer to hospital for specialist examination
Ingestion	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety while doing so. If conscious ensure the casualty sits or lies down. Consult a doctor.

5. Fire fighting measures

Extinguishing media	Carbon dioxide	Dry chemical powder	Alcohol resistant foam.
Exposure hazards	Corrosive. Harmful. In combustion emits toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides.		
Protection of firefighters	Wear self contained breathing apparatus, and protective clothing.		

6. Accidental release measures

Personal precautions	Refer to section 8 of SDS for personal protection details.
Environmental precautions	Do not discharge into drains or rivers.
Clean up procedures.	Absorb in dry earth or sand. Transfer to a closable, labelled salvage container for disposal by appropriate method

7. Handling and Storage

Handling Requirements	Ensure there is sufficient ventilation in the area
Storage conditions	Store in a cool, well ventilated area
Suitable packaging	Must only be kept in original packaging

8. Exposure controls/personal protection

Engineering measures	Ensure there is sufficient ventilation in the area
Respiratory protection	Self-contained breathing apparatus must be available in case of an emergency
Hand protection	Protective gloves
Eye protection	Safety goggles. Ensure eye bath is to hand.
Skin protection	Impermeable protective clothing

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EPOXY RESIN (Component B)

9. Physical and Chemical properties

State	Paste
Colour	Grey
Odour	Characteristic odour
Evaporation rate	Negligible
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Insoluble
Also soluble in	Most organic solvents
Viscosity	Highly viscous
Boiling point/range°C	>200
Flash point°C	>100
Relative density	1.1

10. Stability and reactivity

Stability	Stable under normal conditions
Conditions to avoid	Direct sunlight. Heat
Materials to avoid	Acids. Oxidising agents
Haz. Decomp. Products	In combustion emits toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides.

11. Toxicological information

Hazardous ingredients	NONYLPHENOL ORL MUS LD50 1231 mg/kg ORL RAT LD50 580 mg/kg
	2-PIPERAZIN-1-YLETHYLAMINE IPR MUS LD50 250 mg/kg ORL RAT LD50 580 mg/kg
	2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL ORL RAT LD50 580 mg/kg SKN RAT LD50 1280 mg/kg
	BENZYL ALCOHOL IVN RAT LD50 53 mg/kg ORL MUS LD50 1360 mg/kg ORL RAT LD50 1230 mg/kg
Chronic toxicity	May cause sensitisation by skin contact
Routes of exposure	Refer to section 4 of SDS for routes of exposure and symptoms

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EPOXY RESIN (Component B)

12. Ecological information

Mobility	Insoluble in water. Heavier than water
Persistence & degradability	Only slightly biodegradable.
Bio accumulative potential	Bioaccumulation potential
Other adverse effects	Toxic to aquatic organisms

13. Disposal considerations

Disposal operations	Transfer to a suitable container and arrange for collection by a specialist disposal company
Disposal of packaging	Arrange for collection by a specialist disposal company
NB	The users attention is drawn to the possible existence of regional or national regulations.

14. Transport Information

ADR/RID

UN no.	3259	ADR Class	8
Packing group	III	Classification code	C8
Shipping name	AMINES, SOLID, CORROSIVE, N.O.S. (NONYLPHENOL) 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE		
Labelling	8	Hazard ID no	80



IMDG/IMO

UN no.	3259	Class	8
Packing group	III	EmS	F-A, S-B
labelling	8		

IATA/ICAO

UN no.	3259	Class	8
Packing group	III		
Packing instructions	822(P&CA); 823(CAO)		
labelling	8		

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EPOXY RESIN (Component B)

15. Regulatory Information

Hazard symbols

Dangerous to the environment
Corrosive



Risk phrases

R22: Harmful if swallowed
R34: Causes burns
R43: May cause sensitisation by skin contact
R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R62: Possible risk of impaired fertility
R63 Possible risk to the unborn child

Safety phrases

S1/2: Keep locked up and out of reach of children
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise
S29: Do not empty into drains
S36/37/39: Wear suitable protective clothing, gloves, eye/face protection
S45: In case of accident or if you feel unwell, seek medical advise immediately (Show the label where possible)
S61: Avoid release into the environment. Refer to special instructions/safety data sheet

Note

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The users attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other Information

Risk Phrases used in s.3

R62: Possible risk of impaired fertility
R63: Possible risk to the unborn child
R22: Harmful if swallowed
R34: Causes burns
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R21/22: Harmful in contact with skin and if swallowed
R43 May cause sensitisation by skin contact
R52/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R36/38 Irritating to eyes and skin
R20/22: Harmful by inhalation and if swallowed.

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.