



MATERIAL SAFETY DATA SHEET

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

J-Fix Vinylester Injection Resin

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

1.1 Identification of the substance/preparation

J-Fix Vinylester Injection Resin

1.2 Use of the substance

Injection resin

1.3 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

1.4 Telephone number for emergencies

Tel +44 208 546 6545

2. Hazards identification

May cause sensitisation by skin contact

3. Composition/information on ingredients

Hazardous Ingredients	Cas No. EINECS No	Conc. in %	Hazard Symbol	Risk Phrase
Ethylene dimethacrylate	69-90-5 202-617-2	10-25	Xi	R37/R43
Hydroxypropyl methacrylate	27813-02-1 248-666-3	2.5-10	Xi	R36/43
Dibenzoyl peroxide	94-36-0 202-327-6	<2.5	E,Xi	R2,R36/43

4. First Aid measures

- 4.1 Skin** There may be irritation and redness at the site of contact
Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
- 4.2 Eye Contact** There may be irritation and redness
Bathe eye with running water for 15 minutes. Consult a doctor.
- 4.3 Ingestion** There may be soreness and redness of the mouth and throat
Do not induce vomiting. If conscious rinse out with large quantities of water. Consult a doctor.
- 4.4 Inhalation** There may be irritation of the throat with a feeling of tightness in the chest
Remove casualty from danger ensuring own safety while doing so. Consult a doctor.

5. Fire fighting measures

- 5.1 Extinguishing Media** Carbon Dioxide, Alcohol or polymer foam, powder
- 5.2 Exposure Hazards** In combustion emits toxic fumes of Carbon Dioxide and Carbon Monoxide
- 5.3 Fire Fighting Equipment** Self contained breathing equipment and protective clothing.

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6. Accidental release measure

- 6.1 **Personal precautions** Refer to section 8 for personal protection details
- 6.2 **Environmental Precautions** Do not discharge into drains or rivers. Contain the spillage.
- 6.3 **Clean up procedures** Transfer to a closable, labelled, salvage container for disposal by an appropriate method

7. Handling and Storage

- 7.1 **Handling requirements** Ensure there is sufficient ventilation in the area
- 7.2 **Storage conditions** Store in cool, ventilated area. Keep container tightly closed. Keep away from direct sunlight.
- 7.3 **Suitable packaging** Must only be kept in original packaging.

8. Exposure controls /personal protection

- 8.1 **Engineering measures** Ensure there is sufficient ventilation in the area
- 8.2 **Respiratory protection** Respiration protection is recommended where concentrations are likely to exceed the operator exposure standards
- 8.3 **Hand protection** Protective gloves
- 8.4 **Eye protection** Safety goggles
- 8.5 **Skin protection** Protective clothing

9. Physical and Chemical properties

State	Paste	Also soluble in	Most organic solvents
Colour	Variable	Viscosity	Viscous
Odour	Characteristic odour	Boiling point/range °C	168
Evaporation Rate	Slow	Flash point °C	49
Oxidising	Non-oxidising (by EC criteria)	Autoflammability °C	575
Solubility in water	Insoluble	Relative density	1.65

10. Stability and Reactivity

- 10.1 **Stability:** Stable under recommended storage and handling conditions
- 10.2 **Conditions to avoid** Direct sunlight. Heat. Flames
- 10.3 **Materials to avoid** Oxidising agents, Acids, Bases
- 10.4 **Haz. Decomp. products** As a result of thermal decomposition may produce oxygen, nitrogen oxides, hydrochloric acid. The vapours given off during decomposition are flammable, therefore any source of ignition could cause a fire.

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11. Toxicological information

- 11.1 Chronic toxicity** Danger of serious damage risk to health by prolonged exposure through inhalation
- 11.2 Routes of exposure** Refer to section 4 for routes of exposure and corresponding symptoms.
- 11.3 Dose and lethal concentrations for individual components**
- | | |
|-------------------------|-----------------|
| Ethylene dimethacrylate | DL50 Oral mg/kg |
| Dibenzoyl peroxide | 3300 Rat |
| | 7710 Rat |

12. Ecological information

- 12.1 Spills on soil** Prevent contamination of soil
- 12.2 Spills in water** Do not allow to escape into drains, sewers, or water courses
- 12.3 Emissions to atmosphere** Avoid any solvent release into atmosphere

13. Disposal considerations

- Disposal operations** Dispose of empty containers in accordance with local regulations
N.B. The user attention is drawn to the possible existence of regional or national regulations regarding disposal

14. Transport information

- ADR / RID**
Un No. 3269 Packing group III Class 3
- IMDG / IMO**
Un No. 3269 Packing group III Class 3 Marine pollutant No
- IATA / ICAO**
Un No. 3269 Packing group III Class 3

15. Regulatory information

- Hazard symbols** Xi Irritant
- Safety Phrases** R37 Irritating to respiratory system
R43 May cause sensitisation by skin contact
S3/7 Keep container tightly closed in a cool place
S14 Keep away from reducing agents, oxidizing agents, acids, alkalis, amines, heavy-metal compounds
S36/37/39 Wear suitable gloves and eye/face protection

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 nation, international and local regulations or provisions

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16. Other information

Component A Xi Irritant in accordance with Guideline 67/548/EEC and 1999/45/EC
R43 May cause sensitization by skin contact
S24 Avoid contact with skin
S26 In case of contact with eyes rinse immediately with water and seek medical advise
S37 Wear suitable gloves
S51 Use only in well ventilated area
Dangerous ingredients: Hydroxypropyl methacrylate. Ethylene dimethacrylate

Component B O, Xi
 Oxidizing and Irritant in accordance with Guideline 67/548/EEC and 1999/45/EC
R7 May cause fire
R36 Irritating to eyes
R43 May cause sensitization by skin contact
S3/7 Keep container tightly closed in a cool place
S14 Keep away from reducing agents, oxidizing agents, acids, alkalis, amines, heavy metal compounds.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S36/37/39 Wear suitable protective clothing, gloves and protection for eyes and face
S50 Do not mix with accelerators or reducing agents
Dangerous Ingredients: Dibenzoyl peroxide

Risk Phrases used in S2	R20	Risk of explosion by shock, friction, fire, other sources of ignition
	R36	Irritating to eyes
	R37	Irritating to respiratory system
	R43	May cause sensitization by skin contact

The above information has been compiled from that provided by our suppliers and other sources. None of the original information relating to hazards or potential hazards has been omitted and so the absence of a particular reference merely implies either that such information has not been determined or that it is not applicable. Should amendments become necessary, these will be published in future issues. The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determination of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.