



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** Fast Cure Seaming Adhesive

**Supplier:** Resaccs Limited,  
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Hadrian Road,  
Wallsend,  
Tyne & Wear, NE28 6HH

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

**Chemical Name CAS-No EEC-No Class Weight %**

METHYL METHACRYLATE 80-62-6 607-035-00-6 F; R11 Xi; 40-70 R37/38 R43

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Highly flammable, Irritating to respiratory system and skin, irritation of mucous membranes.

**Specific hazards** Irritating to respiratory system, May cause headache and dizziness. May cause sensitisation by skin contact. Code no: 5-5 (1993)

## 4. FIRST AID MEASURES

**General advice:** Avoid contact with skin and eyes. Avoid breathing vapours or spray mist.

**Inhalation:** Move to fresh air, Consult a physician after significant exposure.

**Skin contact:** Remove immediately adhering matter, Wash off immediately with soap and plenty of water, If skin irritation persists, call a physician.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

**Ingestion:** Do not induce vomiting, Drink plenty of water, and call a physician immediately

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** foam, Carbon Dioxide (CO<sub>2</sub>),dry chemical

**Extinguishing media which must not be used for safety reasons:**

Do not use a solid water stream as it may scatter and spread fire

**Specific hazards:** In case of fire and/or explosion do not breathe fumes, Flash back possible over considerable distance. Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat causing thermal decomposition and/or may rupture containers.

**Special protective equipment for firefighters:** Cool containers / tanks with water spray, If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated, In case of fire, wear a self contained breathing apparatus

**Specific methods:** Standard procedure for chemical fires

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with skin and eyes, Use personal protective equipment, Ensure adequate ventilation. Remove all sources of ignition.

**Environmental precautions:** Avoid subsoil penetration, Do not let product enter drains

**Methods for cleaning up:** Dam up, Scrape up, and Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

**Handling:** Use only in area provided with appropriate exhaust ventilation, To avoid ignition of vapours by static electricity discharge, all metal parts of the equipments must be rounded, All metal parts of the mixing and processing equipment must be earthed, Do not smoke.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Chemical Name: National occupational exposure limits:**

METHYL METHACRYLATE 208mg/m<sup>3</sup>

**Engineering measures to reduce exposure**

- **Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand protection:** solvent-resistant gloves.
- **Eye protection:** safety glasses, goggles.
- **Skin and body protection:** Wear as appropriate.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** paste. **Colour:** off-white / as label. **Odour:** pungent. **pH:** (50 g/l H<sub>2</sub>O) 7( 20 °C)

**Boiling point/range:** 101 °C

**Flash point:** 10.6 °C

**Melting point/range** <50 °C

**Flammability (solid, gas):** liquid

**Explosion limits:** - lower 2.1 vol. % - upper 12.5 vol. %

**Relative density:** - lower 0.93 ( 20 °C)- upper 1.05

## 10. STABILITY AND REACTIVITY

**Stability:** Stable. Polymerization can occur.

Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation, Heating can release vapours which can be ignited.

**Conditions to avoid:**

**Materials to avoid:** oxidizing agents, reducing agents, acids and bases.

**Hazardous decomposition products:** carbon oxides, smoke, fumes.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Effects of breathing high concentrations of vapour may include: bloody urine, damages

Central nervous system, lungs.

**Local effects:** Dermatitis.

**Sensitization:** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Long term toxicity:** Methyl Methacrylate Monomer:

LD<sub>50</sub>/oral/rat=7872mg/Kg LD<sub>50</sub>/dermal/rabbit= >5,000mg/Kg.

LC<sub>50</sub>/inhalation/4h/rat=7093=ppm. Prolonged or repeated exposure may cause injuries to liver, kidneys, lungs, nerves and hereditary factors

## 12. ECOLOGICAL INFORMATION

**Mobility:** Bioaccumulation, Do not contaminate water.

**Persistence / degradability:** Methyl methacrylate monomer: Biochemical oxygen demand within 5days (BOD5) = 0.14- 0.9 g/g.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Dispose surplus of unexposed material as uncured plastic waste, In accordance with local and national regulations.

**Contaminated packaging:** In accordance with local and national regulations

**European Waste Catalogue No.** 08 04 09

## 14. TRANSPORT INFORMATION

**IMO/ICAO/ADR/RID Class:** 3

**HI/UN No:** 1133

**Packing group :** II

**Proper shipping name:** Adhesives.

## 15. REGULATORY INFORMATION

**Classification according to European directive on classification of hazardous preparations**

**93/21/EEC**

**- Contains:** METHYL METHACRYLATE

water contaminating – 1 WGH Nr. 1252

**Symbol(s):**



**F**



**Xi**

**R -phrase(s):** R43 - May cause sensitization by skin contact.

R37/38 - Irritating to respiratory system and skin.

**S -phrase(s):** S 9 - Keep container in a well-ventilated place.

S16 - Keep away from sources of ignition - No smoking.

S29 - Do not empty into drains. S33 - Take precautionary measures against static discharges.

Code no: 5-5(1993)

VBF: None

## 16. OTHER INFORMATION

**Recommended use:** Adhesives.

**Recommended restrictions:**

When used in a mixture, read the labels and safety data sheets of all components. All metal parts of the mixing and processing equipment must be earthed. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication