

## SAFETY DATA SHEET

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

Product name: **Repairite Allweld Adhesive.**

Supplier: MMP-International, Division  
of ITW Ltd.  
Brunel Close, Park Farm  
Ind Est,  
Wellingborough, Northants,  
NN8 6QX

Emergency telephone number: +44 (0) 1933 670870

Fax No: +44 (0) 1933 670800

## 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; R36/37/38 R43	40-60
METHACRYLIC ACID	79-41-4	607-088-00-5	C; R34	5-15

## 3. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable, Irritating to eyes, irritating to skin and mucous membranes

Specific hazards: Inhalation of high vapour concentrations can cause CNS-depression and narcosis, May cause sensitization by skin contact

## 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, 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 to cause thermal decomposition and/or 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

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#### 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, Soak up with inert absorbent material,

#### 7. HANDLING AND STORAGE

Handling: Use only in area provided with appropriate exhaust ventilation, To avoid ignition of vapors by static electricity discharge, all metal parts of the equipments must be grounded. 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 (Ref: British COSHH - EH40):

METHYL METHACRYLATE 50ppm  
 METHACRYLIC ACID 20ppm

Engineering measures to reduce exposure In case of insufficient ventilation wear suitable respiratory equipment,

- 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. Odour: pungent.  
 pH: ( 50 g/l H<sub>2</sub>O) 3 ( 20 °C)  
 Boiling point/range: 101 °C  
 Flash point: 10.6 °C  
 Explosion limits: - lower 1.8 vol. % - upper 8.5 vol. %  
 Vapour pressure: 36.4 (MMA) mm Hg ( 20 °C)  
 Relative density: - lower 1.03 ( 20 °C)

#### 10. STABILITY AND REACTIVITY

Stability: Stable, Polymerization can occur.  
 Conditions to avoid: Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation.  
 Materials to avoid: reducing agents, oxidizing agents, acids and bases.  
 Hazardous decomposition products: carbon oxides, smoke.

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Effects of breathing high concentrations of vapour may include, bloody urine, damages Central nervous system, Lungs, methacrylic acid;  
 LD<sub>50</sub>/oral/rat = 1060mg/kg LC<sub>50</sub>/inhalation/ 0 h/rat = >1300ppm.  
 Methyl methacrylate monomer; LD<sub>50</sub>/oral/rat = 7872mg/kg  
 LC<sub>50</sub>/inhalation/ 0 h/rat = 7093ppm.  
 Local effects: dermatitis

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

Long term toxicity: Prolonged or repeated exposure may cause injuries to liver, kidneys, lungs, nerves and hereditary factors

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#### 12. ECOLOGICAL INFORMATION

Mobility: Bioaccumulation, Do not contaminate water,

Persistence / degradability: Methyl methacrylate monomer : Biochemical oxygen demand within 5 days (BOD5) = .14 g/g - 0.9 g/g.

Bioaccumulation: Methyl methacrylate monomer: LC50/96h/Fathead minnows = 150 ppm, LC50/96h/bluegill sunfish = 232ppm

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#### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations.

Contaminated packaging: In accordance with local and national regulations.

European waste Catalogue No: **08 04 09**

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#### 14. TRANSPORT INFORMATION

Proper shipping name: Adhesives

UN-No: 1133

ADR/RID Class: 3

HI/UN No: 1133

IMO Class: 3 Packing group : II

EmS: 3-05

Proper shipping name: Adhesives

ICAO Class: 3 UN/ID No: 1133

Proper shipping name: Adhesives

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#### 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: METHYL METHACRYLATE

Water hazard class - 1  
WHG Nr. 154

- Symbol(s):



Highly flammable



Xi - Irritant

R -phrase(s): R43 - May cause sensitization by skin contact.. R36/37/38 - Irritating to eyes, 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

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#### 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.

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Product name: **Repairite Allweld  
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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