

Material Safety Data Sheet



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DATE: 2014-03-20

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

Identification of the preparation: MARKSPIA JOINT ADHESIVE KIT – COMPONENT A

Supplier:	Emergency telephone number
JKC Corporation	Tel: 82-2-2636-7166
#B1, kyoung In B/D, 92-3, Dangsangdong-4ga	
Youngdeungpo-gu, Seoul, Korea	
TEL : 82-2-2636-7166	
FAX : 82-2-2632-6233	

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Chemical nature of the preparation: Synthetic resin(s) and filler(s).

Hazardous components:

methyl methacrylate:	30-60 weight(%)
XI: R36/37/38-43	
CAS-No:	80-62-6
EC-No:	201-297-1

3. HAZARDS IDENTIFICATION

Most important hazards	Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact
Specific hazards	None known

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Oxygen or artificial respiration if needed. Consult physician after significant exposure.

Eye contact: Rinse thoroughly with plenty of water at least 18 minutes and consult a Physician. Keep eye wide open while rinsing.

Skin contact: Wash off immediately with soap and plenty of water.

Ingestion: Never give anything by mouth to unconscious person. Rinse mouth .
Ingest activated charcoal. Call a physician immediately.

5. FIRE-FIGHTING MEASURES:

Suitable extinguishing media: Use dry chemical, CO₂, Water spray or "alcohol" foam.

Extinguishing media which must not be used for safety reasons: high volume water jet

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Use personal protective equipment.

Remove all sources of ignition.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Soak up with inert absorbent material. Clean with detergents.

Avoid solvents.

7. HANDLING AND STORAGE

Handling: Technical measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Keep product and empty container away from heat and sources of ignition. Take precautionary measures against static discharges.

Storage: Technical measures/Storage conditions: Keep container tightly closed. Keep in a well-ventilated place.

Incompatible products not applicable

Packing material not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: Repeated and prolonged exposure to solvents may cause brain and Nervous system damage. It is good practice in industrial hygiene to Avoid contact with solvents by using appropriate protective measures Whenever possible.

Eye protection: safety glasses

Hand protection: solvent-resistant gloves

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands before Breaks and at the end of workday.

Exposure controls

National occupational exposure limits:

methyl methacrylate: TLV-TWA=100 ml/m³=410 mg/m³/A4/ACGIH(1997)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form:	liquid
	Color:	various
Odour:		acrylic
PH: (°C) (at g/l H ₂ O)		not applicable
Flash point:	26 °C	closed up
Vapour pressure: (20 °C)	39hps	
Autoignition temperature:	430 °C	
Relative density: (°C)	from 1.20kg/l	
	To 1.24kg/l	
Solubility:		
Water Solubility(°C)	partly miscible	g/l
Viscosity:(°C)	no data available	mpa.s
Explosion limits:	-lower 2.1 vol. %	
	-upper 12.5 vol. %	

10. STABILITY AND REACTIVITY:

Conditions to avoid : No decomposition if stored and applied as directed.

Hazardous decomposition products: methyl methacrylate monomer

Further information : vapours are heavier than air and may spread along floors.

vapours may form explosive mixtures with air.

11. TOXICOLOGICAL INFORMATION

Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Acute toxicity: methyl methacrylate: LD₅₀/oral/rac = 7872 mg/kg, RTECS, 47796

Local effects not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity effects no data available

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16. OTHER INFORMATION

When used in a mixture, read the labels and safety data sheet of all components,
END USE: adhesives.

Do not use in medical applications involving permanent implantation in the human body.

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. The information given is designed only
As a guidance for safe handling, use, processing, storage, transportation, disposal and release
And is not to be considered a warranty or quality specification. The information relates only to
The specific material designated and may not be valid for such material used in combination
With any other materials or in any process, unless specified in the text.