

## Acrylic Joint Adhesive

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

## Product information

Trade name : Acrylic Joint Adhesive (Component A)

Supplier : Tristoneglobal Co., Ltd  
B-501, 23,Bangchuckro 83bengil,  
Donggu, Incheon, Korea

Telephone : +82-32- 588-3720

Telefax : +82-32- 588-3719

Email address : export@tristoneglobal.com

Emergency telephone number : +82-32- 588-3720

Use of the Substance / : For industrial use

Preparation

Function : Adhering to solid surface

## 2. HAZARDS IDENTIFICATION



Inflammable



Irritant

## Main Hazards

Harmful if swallowed.

Risks of serious damage to eyes.

## Health Effects-Eyes

Liquid or mist will cause severe conjunctiva irritation and corneal damage.

## Health Effects-Skin

Material may cause irritation, repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

## Health Effects-Ingestion

Swallowing may have the irritation of mouth, throat and digestive tract, nausea, difficulty with breathing, lung damage.

## Health Effects-Inhalation

Low volatility makes acute effects unlikely at ambient temperatures.\_

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Information on ingredients / Hazardous components

Polymethyl Methacrylate	20~50%	CAS-No.	9011-14-7
Methyl Methacrylate	30~70%	CAS-No.	80-62-6
Alumina Trihydrate	10~30%	CAS-No.	21645-51-2

Xi

R36/37/38-43

See chapter 16 for text of risk phrases

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#### 4. FIRST AID MEASURES

##### General advice

Remove contaminated or saturated clothing.

##### Inhalation

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

##### Skin contact

Wash off immediately with soap and plenty of water.

##### Eye contact

Rinse thoroughly with plenty of water at least 18 minutes and consult a Physician.

Keep eye wide open while rinsing.

##### Ingestion

Never give anything by mouth to unconscious person. Rinse mouth.

Ingest activated charcoal. Call a physician immediately.

##### Notes to physician

If required, therapy of irritative effect.

If substance has been swallowed:

Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear.

If necessary, aspirate leftover substance.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use dry chemical, CO<sub>2</sub>, Water spray or "alcohol" foam.

##### Extinguishing media which must not be used for safety reasons

High volume water jet

##### Special Hazards

This product may give rise to hazardous fumes in a fire.

##### Protective Equipment

Wear self contained breathing apparatus.

#### 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.

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## 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.

#### Hand protection

Solvent-resistant gloves

#### Eye protection

Safety glasses

#### 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

CAS-No. . 80-62-6

EC-No. 201-297-1

TLV-TWA=100 ml/m<sup>3</sup>=410 mg/m<sup>3</sup>/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 <sub>2</sub> O)	not applicable
Flash point:	26 °C closed up
Vapour pressure: (20 °C)	39hps
Auto ignition 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

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**12. ECOLOGICAL INFORMATION****Mobility**

The product will not dissolve in water.

**Persistence/Degradability**

The product is expected to be partially or slowly biodegradable.

**Bio-accumulation**

The product is not expected to bioaccumulation.

**Ecotoxicity**

No data

**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Do not allow material to contaminate ground water system.

**Contaminated packaging**

Can be incinerated, when in compliance with local regulations.

**14. TRANSPORT INFORMATION****ADR/RID**

Class: 3

TREM-CARD: 30G80

Proper shipping name: Adhesives

**UN-NO: 3269**

ADR/RID=Labels: 3

Item: 5(C)

HI/UN NO:

**ICAO**

UN/ID NO: 1133

Packing group: III

Proper shipping name: Adhesives

Class: 3

Sub risks:

ICAO-Labels: Flammable liquid

**IMO**

Class: 3.2

Packing group: III

Pms: 3 -05

Proper shipping name: Adhesives

IMDG Page: 3174 Sub risks:

IMO-Labels: Flammable liquid

MPAG: 330

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**15. REGULATORY INFORMATION**

The product is classified and labeled in accordance with EC-Directive 88/379

Symbol(s):	Xi -irritant, F -Rightly flammable
Contents:	methyl methacrylate
R-phrase:	R11- Rightly flammable R/36/37/38-Irritating to eyes, respiratory system and skin R43-May cause sensitization by skin contact
S-phrase:	S16-Keep away from source of ignition – No smoking S23-Do not breathe vapour S24/25-Avoid contact with skin and eyes S37-Wear suitable gloves S51-Use only in well ventilated areas

**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.