

## Acrylic Joint Adhesive

Revision date June. 19.2015 Page 1 / 6

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : Acrylic Joint Adhesive (Component B)  
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****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.

## Acrylic Joint Adhesive

Revision date June. 19.2015 Page 2 / 6

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components****Chemical nature of the preparation:** benzyl peroxide, plasticizer**Components:**Dibenzoyl peroxide:  $\geq 3.0$  weight(%) \*Tube Type: 5.0 weight (%), Cartridge Type: 3.0 weight (%)

XI: R36, R43

CAS-No: 94-36-0

EC-No: 202-327-6

Oxydipropyl dibenzoate:  $\geq 60$ weight(%) \*Tube Type: 95.0 weight(%), Cartridge Type: 94.0weight(%)

CAS-No: 27138-31-4

EC-No: 248-258-5

Silica amorphous,fumed, cryst.free:  $\geq 60$ weight(%) \*Tube Type: 0.0 weight(%), Cartridge Type: 3.0 weight(%)

CAS-No: 112945-52-5

EC-No: 601-216-3

**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.

Acrylic Joint Adhesive

Revision date

June. 19.2015

Page

3 / 6

## 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.

## 7. HANDLING AND STORAGE

### Handling

#### Technical measures/Precautions

Keep product and empty container away from heat and sources of ignition.

#### Safe handling advice

Do not smoke.

### Storage

#### Technical measures/Storage conditions

Keep at temperatures below 30°C.

Water mist may be used to cool closed containers.

Incompatible products: Reacts violently in contact with acids, amines, driers.

Polymerization accelerators and easily oxidized materials.

### Packing material

Not applicable

Acrylic Joint Adhesive

Revision date

June. 19.2015

Page

4 / 6

## 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

###### ■ Benzoyl peroxide:

TLV-TWA=5 mg/m<sup>3</sup>/A4/ACGIH(1997)

Butyl benzyl phthalate: TLV-TWA=5 mg/m<sup>3</sup>/A4/ACGIH(1997)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form:	liquid
Color:	light yellow
Odour:	slight
PH: (°C) (at g/l H <sub>2</sub> O)	not applicable
Decomposition temperature	103 °C
Flash point:	above 100 °C          closed up
Autoignition temperature	no data available °C
Vapour pressure: ( 147 °C)	1.3hps
Relative density: (°C)	from 1.03kg/l to 1.07kg/l
Solubility:	
Water Solubility (°C)	Immiscible g/l
Viscosity :(°C)	no data available mpa.s
Explosion limits:	-lower no data available vol. %
	-upper no data available vol. %

Acrylic Joint Adhesive

Revision date

June. 19.2015

Page

5 / 6

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

**Decomposition starting from 103°C:**

Dibenzoyl peroxide 100%

### Materials to avoid:

Reacts violently in contact with acids, amines, driers, polymerization

Accelerators and easily oxidized materials.

### Hazardous decomposition products:

Benzoic acid, biphenyls, benzene

## 11. TOXICOLOGICAL INFORMATION

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

### Acute toxicity

#### Benzoyl Peroxide:

LD50/oral/rac = 7710 mg/kg, RTECS, 19455

#### Oxydipropyl dibenzoate

Acute toxicity: LD50, oral: 8000 mg/kg (RTECS, 59814)

## 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 bioaccumulate.

### Ecotoxicity

No data

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products

Do not allow material to contaminate ground water system.

Prevent product from entering drains.

### Contaminated packaging

Can be incinerated, when in compliance with local regulations.

