

Based on Regulation (EC) No 1907/2006 (REACH) article 31 and Annex II

## DEMO PREPARATION

Draft Demo REACH

### 1. Identification of the substance/preparation and of the company/undertaking

#### 1.1 identification of the substance or preparation:

**Product name** : Super Glue  
**Synonyms** : Liquid Instant Glue, T508,  
**CAS No.** : 7085-85-0  
**EC index No.** : NFPA code :  
**EINECS No.** : **Molecular weight** : 125.13  
                   230-391-5  
**RTECS No.** : **Formula** : C6H7NO2

#### 1.2 Use of the substance or preparation:

Used as a Glue, Adhesive the metal, stone, woods---

#### 1.3 Company/undertaking identification:

Ningbo Pasco United Industry Co., Ltd.  
 Address: No.2 Jing 8 Road Yaobei Industry zone, Yuyao, Ningbo  
 The editors of MSDS: Joe.Chow    e-mail : joe@chinapasco.com  
 Tel: 86-574-6229-8877

#### 1.4 Emergency Telephone:

86-574-6229-8877 (China Beijing Time: 8:00 am - 5:00 pm)

### 2. Hazards identification

**Hazard classification** (The classification is according to the EU Directive 1999/45/EC, and extended by company and literature data):



**Xi:** Irritant


**Physical/Chemical Hazards:** DANGER. This product is a very fast setting and strong adhesive. It bonds human tissue including skin and eyes rapidly and strongly.

**Eyes:** This product is an eye irritant.  
**Skin:** This product irritates the skin.  
**Ingestion:** Not an expected route of entry.  
**Inhalation:** Vapor is irritating to eyes and mucous membranes above exposure limits. Prolonged and repeated overexposure to vapors may provide allergic reactions with asthma-like symptoms in sensitive individuals.


#### 2.2 Hazard classification according to 1999/45/EC as below:

Hazard Ingredients	CAS No.	Hazard Classification	Warning Symbol	Risk Phases
Ethyl cyanoacrylate	7085-85-0	Xi		R36/37/38 Irritating to eyes, respiratory system and skin

The classification is according to the EU Directive 1272/2008/EC & 790/2009/EC

Hazard Ingredients	CAS No.	Hazard Class / Category Code	GHS Pictogram / Signal Word	Hazard Statement Code
Ethyl cyanoacrylate	7085-85-0	Eye Irrit. 2 STOT, SE 3 Skin Irrit. 2	 Wng: Warning	H319: Causes serious eye irritation H335: May causes respiratory irritation H315: Causes skin irritation

- Labelling according to 1272/2008/EC as below

Hazard Ingredients	CAS No.	GHS Pictogram / Signal Word	Hazard Statement Code
Ethyl cyanoacrylate	7085-85-0	 Wng: Warning	H319: Causes serious eye irritation H335: May causes respiratory irritation H315: Causes skin irritation

### 3. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS NO.	Conc. (%)
Ethyl Cyanoacrylate	7085-85-0/230-391-5	85-100

### 4. First aid measures

#### 4.1 After inhalation:

Remove to fresh air. Treat symptomatically.

#### 4.2 Skin contact:

Immerse the bonded surfaces in warm soapy water. Peel or roll the surfaces apart with the aid of a blunt edge, e.g. a spatula or a teaspoon handle; then remove adhesive from the skin with soap and water. Do not try to pull surfaces apart with a direct opposing action.

#### 4.3 Eye contact:

***Eyelid to eyelid or eyeball adhesion:*** Wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in 1-4 days. There will be no residual damage. Do not try to open the eyes by manipulation.  
***Adhesive on the eyeball:*** The product gets into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of weeping until clearance is achieved. During the period of contamination, double vision may be experienced together with a lachrymatory effect, and it is important to understand the cause and realize that disassociation will normally occur within a matter of hours, even with gross contamination.

#### 4.4 After ingestion:

If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips with direct opposing action. It is almost impossible to swallow the product. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in 1/2 to 2 days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches.

#### 4.5 Burns:

Cyanoacrylates give off heat on solidification. In rare cases a large drop will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of cyanoacrylate is released from the tissue as described above.

**4.6 Surgery:**

It should never be necessary to use such a drastic method to separate accidentally bonded skin.

**5. Fire-fighting measures**

Flash Point:	85°C	Method Used:	Tag Closed CUP
Upper Flammable Limit (UFL):	ND	Lower Flammable Limit (LFL):	468 °C

**5.1 General Fire Hazards**

This product is not self igniting and explosive.

**5.2 Hazardous Combustion Products**

This product may decompose in fire, releasing irritating organic vapors, toxic gases, carbon dioxide and carbon monoxide.

**5.3 Extinguishing Media**

Dry chemicals, CO<sub>2</sub>, alcohol foam.

**5.4 Fire Fighting Equipment/Instructions**

Fire fighters should wear positive pressure self-contained breathing apparatus and full turnout gear. Cool fire-exposed containers with water spray.

**6. Accidental release measures****6.1 Methods for cleaning up:**

Wear appropriate protective equipment and clothing during clean-up.  
Avoid contact with the eyes and skin.  
Flood with water to polymerize completely.  
Absorb with liquid-binding material, such as dry clay, sand or diatomite, acid binders, universal binders, sawdust.  
Scoop up used absorbent into drums or other appropriate container.  
Prevent entry into sewers and water body.  
Dispose of the material collected according to local regulations.

**6.2 Evacuation Procedures**

In case of large spills, follow all facility emergency response procedures.

**7. Handling and storage****7.1 Handling:**

Avoid breathing vapors or spray mists. Avoid contact with skin and eyes.  
After handling, always wash hands thoroughly with soap and water.

**7.2 Storage:**

Keep the container tightly sealed. Store in a dry, cool (below 24 °C) and well ventilated area.

**8. Exposure controls/Personal protection**
**Component occupation exposure limits:**
**Ethyl cyanoacrylate (7085-85-0)**

ACGIH: 0.2 ppm TWA

 UNITED KINGDOM: 0.3 ppm STEL; 1.5 mg/m<sup>3</sup> STEL

 SWEDEN: 2 ppm LLV; 10 mg/m<sup>3</sup> LLV

 4 ppm STV; 20 mg/m<sup>3</sup> STV

**Engineering Controls:**

Use exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**Personal protective equipment:**

- Eyes/Face** : Safety glasses or chemical goggles.
- Skin** : Polyethylene gloves. Do not use cotton gloves.
- Respiratory** : Use breathing protection in case of insufficient ventilation.
- General** : Warm water and First Aid Kit.

**9. Physical & chemical properties**

Physical state:	Liquid	Color:	Colorless or pale yellow
Odor:	Pungent	pH:	NA
Viscosity (Brookfield)@23°C	2-2000mPas	Vapor Pressure:	ND
Boiling Point: (°C/133Pa)	54-56/2.5	Melting point:	-20°C
Solubility(H <sub>2</sub> O): <sub>2</sub>	Insoluble	Specific Gravity(H <sub>2</sub> O=1): <sub>2</sub>	0.9-1.1

**10. Stability & reactivity**
**10.1 Chemical Stability**

This is a stable material.

**10.2 Chemical Stability: Conditions to Avoid**

Avoid contact strong oxidizing agents, water, alcohols, amines, aqueous acids, and alkalis.

**10.3 Hazardous Decomposition**

None (non-thermal).

**10.4 Hazardous Polymerization**

Will not occur.

**11. Toxicological information****Acute toxicity****Component Analysis - LD50/LC50****Ethyl Cyanoacrylate (7085-85-0)**

Estimated oral LD50 &gt; 5000 mg/kg.

Estimated dermal LD50 &gt; 2000mk/kg.

**Sensitization:**

Prolonged and repeated overexposure to vapors may provide allergic reactions with asthma-like symptoms in sensitive individuals.

**Mutagenicity:**

No data available for this product.

**Teratogenicity:**

No data available for this product.

**Carcinogenicity:**

None of this product's components are listed by IARC, German DFG or United Kingdom.

**12. Ecological information****12.1 Ecotoxicity:**

No available information

**12.2 Environmental fate:**

No available information

**12.3 Other adverse effects:**

No available information

**13. Disposal considerations****Waste disposal instructions**

Spilled, contaminated, or waste material should be put into a suitable container and handled according to each member state regulations. Dispose of in accordance with local environmental regulations or local authority requirements.

**14. Transport information**

The description shown below may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements and mode-specific or quantity specific shipping requirements.

**International transportation regulations****US DOT:** Not regulated as a hazardous material or dangerous goods for transportation**ICAO/IATA:** Not regulated as a hazardous material or dangerous goods for transportation**IMO/IMDG:** Not regulated as a hazardous material or dangerous goods for transportation**RID/ADR:** Not regulated as a hazardous material or dangerous goods for transportation**15. Regulatory information****Product Classification and Labeling (EEC)**

The product has labeling requirements under Council Directive 67/548/EEC, Annex I.

**Classification and Label Information:**



**Xi:** Irritant

**Label Phrases:** Cyanoacrylate Danger, Bonds skin and eyes in few seconds. Keep out of the reach of children.

**Risk Phrases:**

R36/37/38 irritating to eyes, respiratory system and skin

**Safety Phrases:**

- S-23 Do not breathe fumes or vapour
- S-24/25 Avoid contact with skin and eyes.
- S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S-37 Wear suitable gloves.

**Additional International Regulatory Information  
Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS	R Phrases
Ethyl cyanoacrylate	7085-85-0	Yes	Yes	Yes	Xi, R36/37/38 S2/S46

**16. Other information**

**Disclaimer**



**Label Phrases:** Cyanoacrylate Danger, glue in the skin and in the eyes in few seconds. Keep out of the reach of children.  
 R35/37/38 irritating to eyes, respiratory systems and skin.  
 This MSDS is compiled with reference to the Chemicals (Hazard information and Packaging for supply) Regulations 2002 (CHIP3), which implement the council Directives 67/548/EC and 99/45/EC.  
 Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

**Key/Legend**

NA = Not available or Not Applicable. ND = Not determined or No data. MAC = Maximum Allowable Concentration. TWA = Time Weighted Average. ACGIH = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. TSCA = Toxic Substance Control Act. DSL = Domestic Substances List (Canada). EINECS = European Inventory of Existing Commercial Substances; IECSC = Inventory of Existing Chemical Substances.