

## 1. Identification of the Substances/Preparation and of the Company/Undertaking

### Product Details

Product Name: SUPER GLUE, GLUE

Synonyms: POWER GLUE; FIXTOUT GLUE SET; CYANOACRYLATE ADHESVIE; ADHESVIE 502;  
ETHYL a-CYANOACRYLATE ADHESIVE

UFI: Not applicable.

End uses: Bonding

Manufacturer/Supplier: TAIZHOU CITY JAOJIANG TAIJI(TIKEY) ADHESIVE FACTORY

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## 2. Hazards Identification

### 2.1 Classification

Classification according to Regulation(EU) 2020/1182 [EU-GHS/CLP] and its amending Regulations

Skin corrosion/irritation, Category 2,H315

Serious eye damage/eye irritation, Category 2, H319

Specific target organ toxicity - single exposure, respiratory irritation, Category ,3 H335

### 2.2 Label Elements



Pictogram(s):

Signal Word: Warning

Hazard Statement(s):

H315: Cause skin irritation.

H319: Causes serious eye irritation.

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H335: May cause respiratory irritation.

Precautionary Statement(s):

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352: IF ON SKIN: wash with plenty of soap and water

P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P304+312: Call a POISON CENTER or doctor/physician if you feel unwell.

P405: Store locked up. 2.3 Other hazards

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

PBT/vPvB: Not met.

Endocrine disrupting properties: Not met.

### 3. Composition/Information on Ingredients

Chemical Characterization

Description: Preparation, consist of the following ingredients.

Chemical Name	CAS#	EINECS#	Weight %	CLP Classification	Specific Conc. Limits, M-factors and ATE
Ethyl-2-cyanoacrylate	7085-85-0	230-391-5	95-99	Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;h335	STOTSE ;3 H335: C $\geq$ 10%
PMMA	9011-14-7	265-191-7	1-5	Not classified	

### 4. First-Aid Measures

#### 4.1 First-aid measures

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. If eyes are bonded closed, apply warm water using a wet pad to release eyelashes. Do not force eye open. Cyanoacrylates will cause a lachrymatory effect which will help to debond the adhesive. Keep the eye covered until debonding is completed usually -1 3 days. Get medical attention to make sure cured adhesive is not trapped

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behind eyelid.

**Skin Contact:** Do not pull bonded skin apart as bonded skin can be easily torn. Soak in warm soapy water while flexing bonded skin followed by gently peeling skin apart. If skin is burnt due to the heat generated during the rapid polymerization of a large drop, seek medical attention. If lips are bonded apply warm water to the lips and encourage the use of saliva to wet the interior: Gently peel or roll the lips apart. Do not use direct opposing force to peel the lips apart.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if felt unwell.

**Ingestion:** Keep individual calm. Make sure breathing passage ways not obstructed. The product will polymerize almost instantaneously bonding the mouth making it almost impossible to swallow. Saliva will debond and separate any cured material in several hours. Prevent patient from swallowing any separated cure material.

#### 4.2 Most Important Symptoms and Effects, both Acute and Delayed:

**Acute Symptoms:** Irritating to eyes mucous membrane, respiratory system and skin. The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 1. Further important symptoms and effects are so far not known.

**Delayed Symptoms:** No data available.

#### 4.3 Indication of immediate medical attention and special treatment needed:

**Note to Physician:** Surgery is not necessary to separate accidentally bonded tissues. Experience has shown

that bonded tissues are best treated by passive non-surgical first aid. If rapid curing has caused thermal burn they should be treated symptomatically after adhesive is removed.

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing Media:

**Suitable Extinguishing Media:** Use water spray, dry chemical, sandy soil, chemical foam, carbon dioxide.

**Unsuitable Extinguishing Media:** water jet.

#### 5.2 Special Hazards Arising from the Substance or Mixture

**Special Hazards:**

Combustion meets with open fire, heat or oxidizing agents.

Thermal decomposition release toxic gas or fumes.

**Hazards Combustion Products:** Carbon oxides, nitrogen oxides, etc.

**5.3 Advice for Firefighters:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear: Use water spray to cool fire-exposed containers. Do not use straight streams of water. Extinguishing the fire from upwind.

### 6. Accidental Release Measures

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

**For non-emergency personnel:** Remove from exposure to fresh air.

**For emergency responders:** Ensure adequate ventilation. Wear personal protective clothing and equipment. This document shall not be reproduced except in full without written approval by the laboratory. The result(s) shown in this test report refer(s) only to the sample(s) tested.

Avoid skin /eye contact. Avoid breathe vapors.

6.2 Environmental Precautions: Do not let into waterways, sewers, basements or confined areas.

6.3 Methods and Materials for Containment and Cleaning Up:

For small leaks: Absorb with an inert dry material (e.g. dry sand or earth). Clean contaminated ground with soap or detergent.

For large leaks: Embank or take in holes first. Collect in a special container with a spark proof tool.

Recycle or transport to waste disposal sites.

6.4 Reference to Other Sections

Personal protection reference to section 8.

## 7. Handling and Storage

7.1. Precautions for Safe Handling:

Protective measures: Wear personal protective clothing and equipment. Use only at well-ventilated area. Use only non-sparking tools. Avoid skin /eye contact. Avoid breathe vapors.

Advice on general occupational hygiene: Prohibit smoking, eating or drinking at work place. Wash after handling.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Technical Measures and Storage Conditions: Keep container tightly closed.

Packaging materials: Plastic drums/bottles/boxes

Requirements for storage rooms and vessels: Dry, cool, well-ventilated and without direct sunlight storage rooms. Closed containers.

Further information on storage conditions: Do not store with strong acids, oxidizing agents. Keep away from heat, sparks or ignition sources. Store locked up

7.3 Specific End Use:

Recommendations: Bonding

## 8. Exposure Controls/Personal Protection

8.1 Control Parameters

Workplace exposure limit:

Components Name	CAS#	EINECS#	Exposure Limits
Ethyl 2-cyanoacrylate	7085-85-0	230-391-5	EH40:OEL-STEL:0.3ppm(1.5mg/m3) Austria: OEL- TWA: 2ppm(9mg/m3) Belgium: OEL- TWA: 0. 2ppm(1.04mg/m3) Denmark: OEL-TWA: 2ppm(10mg/m3) OEL- STEL: 4ppm(20mg/m3) Finland: OEL- TWA: 0. 2ppm(1mg/m3) Ireland: OEL- TWA: 0.2ppm
			Poland: OEL- TWA: 1mg/m3 OEL- STEL: 2mg/m3 Spain: OEL- TWA: 0. 2ppm Sweden: OEL- TWA:2ppm(10mg/m3) OEL-STEL:4ppm(20mg/m3) Switzerland: OEL- TWA: 2ppm(9mg/m3) United Kingdom: OEL- STEL: 0.3ppm(1.5mg/m3)

**DNEL/PNEC:****DNEL(Workers)**

Chemical Name	CAS#	EC No.	Short-term exposure		Long-term exposure	
Ethyl 2-Cyanoacrylate	7085-85-0	230-391-5	Inhalation	Systemic local	Systemic	local
			Dermal	NA NA	NA	NA
			Oral	NA NA	NA	NA

**DNEL(General population)**

Chemical Name	CAS#	EC No.	Short-term exposure		Long-term exposure	
Ethyl 3-Cyanoacrylate	7085-85-0	230-391-5	Inhalation	Systemic local	Systemic	local
			Dermal	NA NA	NA	NA
			Oral	NA NA	NA	NA

PNEC: No data available.

**8.2 Exposure Controls**

8.2.1 Appropriate Engineering Controls: Not applicable. Use in a well-ventilated area.

**8.2.2 Personal Protective Equipment**

Respiratory Protection: No special requirements with normal use. Wear a respiratory protection program that meets European Standard EN 143 when in emergency.

Eye Protection: No special requirements with normal household use. Wear chemical safety glasses with side-shields conforming to EN 166 when in emergency.

Hand Protection: Minimize skin contact. No special requirements with normal household use. Wear rubber gloves if necessary.

Skin Protection: Minimize skin contact. No special requirements with normal household use. Wear general protective clothing if necessary.

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Hygiene Measures: Avoid contact with eyes. Wash hands after handling. Do not eating, drinking or smoking while using this product.

8.2.3 Environmental Exposure Controls: Avoid release to the environment directly.

#### 9. Physical and Chemical Properties

Physical state:	Viscous liquid
Particle characteristics:	NA
Colour:	Transparent and colorless
Odor:	Moderately irritant odor
PH:	NA
Melting point/range:	NA
Boiling point/range:	NA
Flash point:	NA
Flammable:	Non-flammable liquid
Explosion limits in air:	Not explosive
Auto-ignition temperature:	NA
Decomposition temperature:	NA
Evaporation rate:	NA
Vapor pressure:	NA
Specific vapor density(air=1):	NA
Relative density(water=1):	1-1.06
Solubility in Water:	NA
Partition coefficient(n-octanol/ water):	NA
Kinematic viscosity(cps):	40-60
Curing time(s):	<8
Strength(mpa):	>12
Quality guarantee period(month):	12

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## 10. Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Chemical Stability: Stable if stored and handled under the recommended storage conditions.

Possibility of Hazardous Reactions: Rapid exothermic reaction will occur in the presence of water, amines, alkalis and alcohols.

Conditions to Avoided: Open flames, hot surfaces.

Incompatible Materials: Water, amines, bases and alcohols. Contact with incompatible materials which may cause spontaneous polymerization.

Hazardous Decomposition Products: Thermal-decomposition may release carbon oxides, nitrogen oxides, etc.

## 11. Toxicological Information

Acute Toxicity: May be harmful if inhaled, swallowed or absorbed through the skin.

Chemical Name	CAS#	EC No.	Acute toxicity		Genus
Ethyl 2-cyanoacrylate	7085-85-0	230-391-5	LD50 Oral	>5,000mg/kg	Rat
			LD50 Dermal	>2000 mg/kg bw	Rabbit
			LC50 Inhalation	/	/

Skin Corrosion/Irritation: May cause mild skin irritation.

Ethyl 2-cyanoacrylate:

Skin -Rabbit

Result: Mild skin irritation - 24 h

(OECD Test Guideline 404)

Serious Eye Damage/Eye Irritation: May cause eye irritation.

Ethyl 2-cyanoacrylate: Eyes - Rabbit

Result: Irritating to eyes. - 72 h

(OECD Test Guideline 405)

Respiratory or Skin Sensitization: Not known to cause skin reaction or respiratory sensitization.

Germ Cell Mutagenicity: Evidence analysis showed that the substance did not induce gene mutations.

Carcinogenicity: None is listed as a carcinogen or suspected carcinogen by IARC.

Reproductive Toxicity: Animal tests showed no developmental toxicity.

STOT - Single Exposure: May cause respiratory irritation.

STOT -Repeated Exposure: No adverse effect.

Aspiration Hazard: No aspiration hazard.

Other Hazard: Irritating to eyes mucous membrane and skin. Inhaled high concentration of vapor may cause

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respiratory irritation.

## **12. Ecological Information**

Toxicity: No data available.

Persistence and Degradability: It polymerizes rapidly on contact with moisture. Therefore, biodegradation is not a relevant environmental fate process for this product.

Bioaccumulative Potential: Bioconcentration in aquatic organisms is not a relevant environmental process for this product.

Mobility in Soil: Movement of this product through soil will be hindered by its rapid polymerization as it

comes into contact with moisture or other weakly basic substances.

Results of PBT and vPvB Assessment: Neither a PBT nor vPvB product.

Other Adverse Effects: Not known significant effects or critical hazards.

## **13. Disposal Considerations**

### **13.1 Waste treatment methods:**

Waste management (disposal and evaluation):

Waste must be disposed of in accordance with relevant EC Directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Regulations related to waste management:

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible.

### **13.2 Regulations related to waste management:**

Directives 2008/98/EC, Directives 2018/851/EU, Directives 2018/852/EU, Annex II of REACH Regulation 1907/2006/EC.

## **14. Transport Information**

Land Transport ADR/RID

Not regulated for transport or dangerous goods.

Maritime Transport IMDG

Not regulated for transport or dangerous goods.

Air Transport IATA/CAO

Not regulated for transport or dangerous goods.

## **15. Regulatory Information**

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

EINECS Inventory: All components are listed.

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REGULATION (EU) 2022/643, in relation to the import and export of hazardous chemical product:  
Non-applicable.

Regulation (EC) 2037/2000, about substances that deplete the ozone layer: Non-applicable.

Article 95, REGULATION (EU) No 528/2012: Non-applicable.

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical product: Listed on Part 1 of Annex I.

Limitations to commercialization and the use of certain dangerous substances and mixture (Annex XVI REACH, etc) (EU) 2023/1464): None of the components is listed.

REACH Regulation Annex XIV Authorisation List (2023)

None of the components is listed.

Information according 1999/13/EC about Limitation of Emission of Volatile Organic Compounds (VOC-guideline) and its amending Directive 2004/42/CE: Not subjected.

15.2 Chemical Safety Assessment:

None Chemical Safety Assessment has been carried out for this Mixture by the supplier.

## **16. Other Information**

Text of the legislative phrases mentioned in section 2 and section 3:

H315: Causes skin irritation.

H319: Cause serious eye irritation.

H335: May cause respiratory irritation.

Abbreviations and acronyms:

CAS No.: Chemical Abstract Service Number

EINECS No.: European Inventory of Existing Commercial chemical Substances

IARC: International Agency for Research on Cancer

TWA - Time Weighted Average

STEL - Short-term Exposure Limit

ATEmix -Acute Toxicity Estimate of Mixture

LD50/LC50 - Lethal Dose/Concentration 50% kill

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

Further Information:

-This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

-This safety data sheet was prepared in accordance with The EU CLP REGULATION (EC) No 1272/2008 as amended by Regulation (EU) 2022/692 (18th ATP) and Regulation (EC) No. 1907/2006 (REACH), Annex II, as

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amended by Regulation(EU) No. 2020/878.

Disclaimer:

The information in this SDS applies only to the product specified and, unless specified, not for the mixture of this product and other substances. This SDS provides only information on product use safety for those appropriately professionally trained users of the product. The user of this SDS must make an independent judgment on the applicability of the SDS under special use conditions. The writer of this SDS will not be responsible for any injuries caused from the use of this SDS.

Department Issuing SDS: TAIZHOU CITY JAOJIANG TAIJI(TIKEY) ADHESIVE FACTORY

Issue Date: March 11, 2024

This SDS Service is provided by LANDER INSPECTION & CERTIFICATION CO., LTD. Signed for and on behalf of

Lander Testing Lab



Xuankong Yu

Chemistry Lab Engineer

Date: March 11, 2024

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