

Safety Data Sheet

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

Product Details

Trade Name: SUPER GLUE, GLUE

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

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

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2. Hazards Identification

2.1 Classification

Product definition: Substance

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin Irritation Category 2

Eye irritation Category 2

Specific target organ toxicity, single exposure: Respiratory tract irritation Category 3

2.2 Label Elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]

Pictogram(s):



Signal Word: Warning

Hazard Statement(s):

H315 Cause mild skin irritation.

H319 Cause serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statement(s):

Prevention Precautionary Statements:

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- P261 *Avoid breathing dust/fume/gas/mist/vapors/spray.*
 P280 *Wear protective gloves/ eye protection/ face protection.*
 P264 *Wash thoroughly after handling.*
 P271 *Use only outdoors or in a well-ventilated area.*

Response Precautionary Statements:

- P303+P361+P353 *If on skin(or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.*
 P332+313 *If skin irritation occurs: Get medical advice/attention*
 P304+P340 *If inhaled,: Remove victim to fresh air and keep at rest in a position comfortable for breathing.*
 P304+312 *Call a POISON CENTER or doctor/physician if you feel unwell.*
 P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.*
 P337+313 *If eye irritation persists get medical advice/attention.*

Storage Precautionary Statements:

- P405: *Store locked up*
 P403+233: *Store in a well ventilated place. Keep container tightly closed*

Disposal Precautionary Statements:

- P501: *Dispose of contents and container in accordance with local/regional/national/international regulations.*

2.3 Other hazards

Lachrymator.Stench. See section 11 for more detailed information on health effects and symptoms.

3. Composition/Information on Ingredients

Chemical Characterization:

Formula : C₆H₇NO₂

Molecular Weight :125.1253

Chemical Name	CAS#	EC# (EINECS#)	Weight %	CLP Classification
Ethyl 2-cyanoacrylate	7085-85-0	230-391-5	100	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

4. First-Aid Measures

Inhalation: *Move to fresh air. If symptoms persist, get medical attention.*

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*

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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.

Eye contact: *Immediately flush with large amounts of water for at least 15 minutes. 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 behind eyelid.*

Ingestion: *Keep individual calm. Make sure breathing passage ways not abstracted. 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.*

Notes 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

Flammability of the Product: *Non-flammable.*

Extinguishing Media: *Use foam, water spray or fog, dry chemical or carbon dioxide.*

Hazardous Combustion/Decomposition Products: *Toxic and/or irritating organic vapors may be generated. Hazardous decomposition products formed under fire conditions. - Carbon monoxide, Carbon dioxide, Nitrogen oxides, etc.*

Special Protective Equipment for Firefighters: *Evacuate personnel to safe areas. As in any fire, Fire fighter should wear positive pressure self-contained breathing apparatus.*

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: *Use personal protection equipment recommended in section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.*

Environmental precautions: *Ventilate area. Prevent product from entering drains or waterways.*

Methods and materials for containment and cleaning up: *Do not use cloths to mop spills. Flood area with plenty of water to insure complete polymerization. When cured scrape off the floor for disposal. Cured material can be disposed of as non-hazardous waste.*

7. Handling and Storage

Handling:

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep away from fabric and paper goods. Contact with these materials may cause rapid polymerization which can

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generate smoke and strong irritating vapors and cause thermal burns.

Storage:

Keep container in a cool, dry and well-ventilated area at normal temperature. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Avoid produce of electrical spark. Storage away from sunshine or frost.

8. Exposure Controls/Personal Protection

Exposure Limit(s):

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	0.2 ppm TWA	None	None	None

DNEL/PNEC: No data available.

Engineering Control: Use positive down draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentrations below established exposure limits.

Personal protective equipment:

Respiratory Protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s)..

Eyes Protection: Safety goggles or safety glasses with side shields or face shield.

Skin Protection: Use nitrile gloves and protective clothing as necessary to prevent skin contact. Do not use PVC, nylon, cloth or cotton gloves.

Other Protections: Do not eat, drink, smoke or sniff while working. Keep away from foodstuffs, beverages and feed.

9. Physical and Chemical Properties

General Information	
Form:	Liquid
Color:	Transparent and colorless
Odor:	Pungent
PH:	N/A
Melting Point/Range:	-31 °C
Boiling Point/Range:	214 °C(1003mbar)
Flash Point:	82.5 °C(1013mbar)
Flammable:	Non-flammable
Explosion Limits in Air :	N/A
Auto-ignition Temperature:	480 °C(1013mbar)
Decomposition temperature:	N/A

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Evaporation Rate:	N/A
Vapor Pressure:	$\leq 21 \text{ Pa} (20 \text{ }^\circ\text{C})$
Specific Vapor Density(Air=1):	N/A
Specific Gravity(Water=1):	1.043(20 °C)
Solubility in Water:	24 µg/L(20 °C)
Partition coefficient(n-octanol/ water):	0.776(22 °C)
Viscosity:	2.6mPa·s(20 °C)

10. Stability and Reactivity

Stability: Stable when stored under the recommended storage conditions.

Incompatibility (Materials to Avoid): Water, amines, alkalis and alcohols.

Conditions to Avoid: Keep away from open flames, hot surfaces. Contact with incompatible materials which may cause spontaneous polymerization.

Hazardous Decomposition and/or Combustion Products: Upon heating may decompose to release toxic fumes of nitrogen oxides, carbon monoxide and carbon dioxide

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

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute Toxicity:

Ethyl 2-cyanoacrylate (CAS# 7085-85-0): LD50 > 5000 mg/kg (Oral, Rat);

LD50 > 2000 mg/kg (Dermal, Rabbit).

Skin corrosion/irritation

Ethyl 2-cyanoacrylate:

Skin - Rabbit

Result: Mild skin irritation - 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Ethyl 2-cyanoacrylate:

Eyes - Rabbit

Result: Irritating to eyes. - 72 h

(OECD Test Guideline 405)

Respiratory or Skin Sensitization: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: Not contained any ingredients at a concentration of 1.0% or more that are listed as

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carcinogen by IARC.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity - Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

12. Ecological Information

Toxicity: No data available.

Persistence and Degradability: The substance polymerizes on contact with water or soil within seconds. Therefore, biodegradation is not a relevant environmental fate process for this substance.

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

Mobility in Soil: Movement of this product through soil will be hindered by its rapid polymerization as it comes into contact with water or other weakly basic substances.

PBT/vPvB: The substance is not PBT / vPvB.

Other Adverse Effects: This product is not expected to cause environmental contamination.

13. Disposal Considerations

Product

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.

Contaminated Packaging

Dispose of as unused product.

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/ICAO

Not regulated for transport or dangerous goods.

15. Regulatory Information

International Regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture

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Directive 2012/18/EU

Named dangerous substances ANNEX I None of the ingredients is listed.

Other regulations, limitations and prohibitive regulations

SVHC Candidate List of REACH Regulation Annex XIV Authorisation (15/1/2018) None of the ingredients is listed

REACH Regulation Annex XVII Restriction (101/2018)

See Section 1 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorisation List (13/6/2017)

None of the ingredients is listed

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Glossary

CAS# - Chemical Abstract Service Number

STEL – Short-term exposure limit (15-minute reference period)

IARC - International Agency for Research on Cancer

LD50 - Lethal Dose/Concentration kill 50%

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 REACH (EC) No 1907/2006, and Annex II and Regulation (EC) No. 1272/2008 (CLP) –Europe, Regulation(EU) No. 2015/830.*

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

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This SDS Service is provided by ZHEJIANG LANDER STANDARD TECHNOLOGY CO., LTD.

Signed for and on behalf of

Lander Testing Lab



Liu Lingnan

Chemistry Lab Engineer

Date: October 23, 2018



*****End*****

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