

Material Safety Data Sheet

1. Chemical Product and Company Identification

Trade Name: GLUE;SUPER GLUE;ADHEISVE

Product Identifier: Cyanoacrylate Adhesive



Manufacturer Information

MSDS Prepared by:

ZONFONG INDUSTRIAL CO., LTD. NO 290, NAN LA ROAD, HO MEI DISTRICT CHUNG
HA CITY TAIWAN(ZIP 508)

For addition health, safety or regulatory information, call +886-4-755-7858

2. Hazards Identification

2.1 Emergency Overview

Appearance : Colorless liquid

Odor : Irritating

CAUTION!

May become unstable at high temperatures or may react with water. May be harmful if inhaled. May cause irritation of nose, throat and lungs.

Bonds skin instantly. Causes skin irritation.

Bonds eyelids instantly. Causes eye irritation.

HMIS Rating

HEALTH = 1 (moderate)

FLAMMABILITY = 2 (moderate)

REACTIVITY = 1 (slight)

Potential Health Effects

Immediate Hazards

INGESTION: No hazards known to company.

INHALATION: May be harmful if inhaled.Liquid or vapor may cause irritation of nose, throat and lungs.

SKIN: Bonds skin instantly. Causes irritation.

EYES: Bonds eyelids instantly. Irritates eyes, causes tearing from eye irritation.

3. Composition / Information on Ingredients

CAS No.	Chemical Name	Percentage by Weight	ACGIH TWA	Osha Pel	Osha Stel
7085-85-0	ethyl-cyanoacrylate	90-100%	n/e	n/e	n/e
123-31-9	hydroquinone	<0.1%	2mg/m3	2mg/m3	n/e

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

SKIN: If skin bonding occurs, soak in nail polish remover or acetone and carefully peel or roll skin apart (do not pull).

EYES: If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings. Liquid glue will sting eye temporarily. Solidified glue may irritate eye like a grain of sand and should be treated by an eye doctor.

5. Fire Fighting Measures

Autoignition Temperature: n/e

Upper/Lower Flammable Limits: Not available

Up/Lower Explosive Limits, % by Vol: Not available

Flash Point: 83 deg C (CC)

Keep away from heat and flame.

In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid breathing vapor. Use with adequate ventilation.

SKIN: Avoid contact with skin and clothing.

EYES: Avoid contact with eyes.

7.2 Storage

Keep away from amines.

Store in cool, dry area away from sun and heat.

Keep containers tightly closed.

Exposure to small amounts of moisture, even moisture in air, cause polymerization and renders the product unusable.

Keep away from heat, sparks, flame and other ignition sources.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate. If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Ethyl 2-Cyanoacrylate 7085-85-0

ACGIH TLV: 2mg/m³ TWA

OSHA PEL: n/e

9. Physical and Chemical Properties

Percent Volatiles	Not determined
pH @ 25 C	Not available
Specific Gravity	1.05
Appearance	Colorless liquid
Autoignition Temperature	n/e
Boiling Point	>150 deg C (5 mm Hg)
Vapor Density (Air=1)	> 1
Vapor Pressure, mm Hg @ 20 C	0.13 (@ 20 deg C)
Evaporation Rate (Butyl Acetate=1)	< 1
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	Not available
Flash Point	>83 deg C
Freezing Point	< -20 deg C
Odor	Irritating
Odor Threshold, ppm	Not available
Solubility in Water	Negligible
Coefficient of Water/Oil Distrib.	Not applicable

10. Stability and Reactivity

Normally stable, but may become unstable at high temperatures or may react with water.

Conditions to Avoid: Exposure to heat, flame and incompatibles.

Incompatibilities: Water, alcohols, amines, bases and direct UV.

Decomposition products may include: Oxides of carbon.

Hazardous polymerization: Will not occur.

Other Hazards: None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

Ethyl 2-Cyanoacrylate 7085-85-0

LC50: Not available

LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements. Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

14. Transport Information

U.S. Department of Transportation Ground (49 CFR):

Proper Shipping name:	Cyanoacrylate adhesive; Super glue; glue
Hazard class or division:	None
Identification Number:	None
Packing group:	None
Exceptions:	None
Marine pollutant:	None

International Air Transportation (ICAO/ IATA):

Proper shipping name:	Cyanoacrylate adhesive; Super glue; glue
Hazard class or division:	None
Identification Number:	None
Packing group:	None
Exceptions:	None

Water transportation (IMO/IMDG):

Proper shipping name:	Cyanoacrylate adhesive; Super glue; glue
Hazard class or division:	None
Identification Number:	None
Packing group:	None
Marine pollutant:	None

15. Regulations Information

None

16: Other Information Disclaimer:

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All the information of material safety Data Sheet is provided on the basis in good faith, and is believed to be trustworthy but is for reference only. Adhesive/ Glue is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. We and its agents, dealers, distributors and employees do not accept any liability for the results whatsoever arising from the use of our products due to the utilization of these products is simply out of our control. The users are responsible for selecting the suitability of the products and methods of use.