
Super glue Material Safety Data Sheet

Part 1. Chemical Products

Chemical name: Ethyl 2-cyanoacrylate
Common name or trade name: Super glue
Chemical Name: Cyanoacrylate adhesive

Part 2. Composition

Pure materials Mixture
Chemical Name: Super glue (Ethyl cyanoacrylate)
Harmful ingredient Content (%) CAS No.
Ethyl 2-cyanoacrylate 80-100 7085-85-0

Part 3. Hazardous Overview

Hazards: no information
Pathways: inhalation, ingestion, percutaneous absorption.
Health hazards: irritation of the eyes and mucosa, when over the limit when the bear cause non-allergic symptoms. Exceeds the maximum concentration (0.2ppm) when suffering from skin, eyes and respiratory diseases will lead to exacerbations.
Environmental hazards: No data.
Explosion risk: case of fire, high heat can cause burning.

Part 4. First Aid Measures

Eye contact: flush eyes with plenty of water for 15 minutes or more, or with 1% sodium carbonate solution, rinse the eyes, and hospital treatment.
Skin contact: 40 °C immersion in warm water or soapy water and seek medical attention.
Inhalation: Remove to fresh air and seek medical attention.
Oral: drink two glasses of water and fingers on the throat, vomiting and seek medical guidance.

Part 5. Fire Fighting Measures

Hazardous characteristics: When the steam is too near the flame when exposed to fire, in any case, the need for a separate breathing apparatus.

Hazardous combustion products: Combustion will produce carbon dioxide, carbon monoxide, nitrogen oxides and possible cyanide gas.

Fire fighting methods and extinguishing agents: Use water fog, dry powder, sand, fire, water spray to cool fire container, until the fighting ended.

Fire Note: as far as possible to move empty containers from the fire Department. If the containers at the scene have been discolored or arising from the safety relief valve sound, must be immediately evacuated.

Part 6. Leakage Contingency

Emergency Treatment: Generally, disclosure of the rapid withdrawal of contaminated personnel to a safe area and isolation. Part VIII of the individual to use the appropriate protective equipment. When the outflow or leakage occurs when the measures taken to make aggregate watering. Not react with the material with absorbing outflow part (such as dry sand or soil) and then placed in the appropriate handling containers.

Part 7. Disposal and Storage

Handling Precautions: operation should be kept on-site ventilation. Away from the fire. Avoid breathing dust, vapor, fog rain and gas, to avoid contact with skin and eyes.

Storage Note: at 25 °C, dry, airtight containers to prevent damp. Not with the oxidizer, water, alcohols, amines, bases, peroxides and other stored together, in order to avoid deterioration.

Part 8. Exposure Controls / Personal Protection

Maximum allowable concentration:

	The highest concentration ACGIH (TLV)	OSHA (PEL)	other
A-cyanoacrylate	0.2ppmTWA	no information	no information
Hydroquinone	2mg /m ³ TWA	2mg/ m ³ TWA	2mg/ m ³ TWA 4mg/ m ³ STEL

Project control: production equipment confined, use adequate ventilation so that air concentrations low enough to provide a safe cleaning and anti-virus facilities.

Eye protection: Safety glasses or goggles.

Body protection: Cyano polyethylene gloves and apron. Do not use cotton products.

Ventilation Protection: Normal ventilation exhaust air vapor concentration cannot exceed the minimum.

Respiratory protection: Not applicable.

Other protection: no smoking in the workplace. Work completed, take a shower. Attention to personal hygiene.

Part 9. Physical and Chemical Properties

Product appearance and character: semi-transparent liquid with irritant PH: No data
 Relative Density: 1.06
 Boiling point: 54 °C (2.6mmHg) Flash point: 85 °C (closed)
 Octanol / water partition coefficient values: No information
 Relative vapor density: 3g / m³
 Upper explosive limit% (V / V): meaningless Lower explosion limit (V / V): meaningless
 Ignition temperature: meaningless
 Solubility: soluble in acetone, nitromethane, methyl ethyl ketone and other solvents, polymerization in water.
 Main use: Suitable for metal, ceramic, hardwood, stone, and rubber adhesive.

Part 10. Stability and Reactivity

Stability: stable at room temperature.
 Main avoids contact conditions: incompatible materials.
 Cut with things: oxidant, water, alcohols, amines, bases, peroxides, etc.
 Dangerous decomposition products (non-thermal case): meaningless
 Polymerization Hazard: will not occur under normal conditions, with light, water, alcohol, amine, and alkali in contact with aggregate.

Part 11. Toxicological Data

Acute toxicity:
 a-cyanoacrylate: Estimated oral LD50 (lethal half dose) cannot exceed 5000mg/kg Estimated skin LD50 (lethal half dose) cannot exceed 5000mg/kg
 Hydroquinone: rat oral LD50 = 245mg/kg
 Rabbit oral LD50 = 200mg/kg
 The rat oral LD50 = 320mg/kg

Carcinogenicity:

Carcinogen target organ composition and its impact	Carcinogens
a-cyanoacrylate ALG IRR RES	NO
Hydroquinone AC3 BLO BNM CNS	N/A
EYE IMM IRR LI/V	
MUT SKI THY	

Abbreviation

N/A	Not applicable	AC3	Animal carcinogen	IRR	Stimulus
LIV	Liver disease	MUT	Sudden mutation materials	RES	Breathing
NUI	Dust trouble	SKI	Skin	THY	Thyroid
ALG	Allergen	BLO	Blood	BNM	Bone marrow
CNS	Central nervous system	EYE	Eye	IMM	Immune System

Part 12. Ecological Information

Ecotoxicity: α -cyanoacrylate: no information

Hydroquinone:Waterflea:EC50=0.11mg/llogPow=0.5;biodegradable,toavoidentering water or groundwater.

Biodegradation: No data

Non-biodegradable nature: no information

Part 13. Waste Disposal

Waste characteristics: non-hazardous waste

Waste Disposal Method: Before should refer to national and local laws and regulations, pay the designated factories processing.

Waste Note: No data

Part 14. Transport

Transport of goods Number: DOT (49.CFR.172)

UN Number:

Packaging flag: Non-dangerous goods Packing Group:

Transport standard unlimited (not more than 450 liters)

Flammable liquid N.O.S (cyanoacrylate) (Not more than 450 liters) Unlimited risk level (not more than 450 liters)

Combustible liquid (not more than 450 liters) ID No (not more than 50 liters)

NA 1993 (more than 450 liters) No marine pollutants

IATA

Transport standard unlimited (not more than 1 pint)

Air traffic control liquid N.O.S (cyanoacrylate) (Not more than 1 pint) Unlimited risk level (not more than 1 pint)

9 Standard (more than one pint) Recommended transport temperature of 5 °C

Recommended load / to a temperature of 5 °C

Transportation Note: Handle with care disposal to prevent direct sunlight, against impact and shock. Packing: 2g, 3g, 5g, 10g, 15g, 20g, 25g plastic bottles.

Part 15. Regulatory Information

Regulatory Information: hazardous chemical safety regulations (March 15, 2002 the State Council issued), dangerous chemicals safety management Implementing Rules (of labor Fa [1992] No. 677), the provisions of the workplace safe use of chemicals ([1996] Labour Ministry, 423) and other laws and regulations for the safe use of hazardous chemicals, production, storage, transport, handling and so on are made the corresponding provisions.