



6/3507 Pacific Hwy, Slacks Creek QLD 4127

Ph: (07) 3290 1846 Fax: (07) 3208 6235

9/67-75 Garden St Tullamarine VIC 3043

Ph: (03) 9335 5699 Fax: (03) 9335 5799

New South Wales

Ph: (02) 9620 8382 Fax: (02) 9620 8381

OZ Seals Pty Ltd

ABN: 11 110 274 381 - ACN 110 274 381

## MATERIAL SAFETY DATA SHEET SUPER GLUE

### Part.1 chemical products and company identity

Chemical name: Ethyl 2-cyanoacrylate  
Common name or trade name: Super glue  
Chemical Name: Cyanoacrylate adhesive  
Company Name: OZ Seals Pty Ltd  
Address: 6/3507 Pacific Hwy, Slacks Creek QLD 4127  
E-mail Address: sales@ozseals.com  
Fax: +61 7 3208 6235  
Emergency Tel: +61 7 3290 1846  
Technical Manual Code: HG-SR-M009-01  
Effective date: March 14, 2018  
National Emergency Tel : +61 7 3290 1846

### Part.2 Composition / composition information

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-  
llergic

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.



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### 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 leakages 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



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the material with absorbing outflow part (such as dry sand or soil) and then placed in the appropriate handling containers.

### Part.7 the operation of 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 /m3TWA	2mg/ m3 TWA	2mg/ m3 TWA 4mg/ m3 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 can not exceed the minimum.

Respiratory protection: Not applicable.

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



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### 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 / m<sup>3</sup>

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.



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### Part .11 of the toxicological data

Acute toxicity:

a-cyanoacrylate: Estimated oral LD50 (lethal half dose) can not exceed 5000mg/kg  
skin LD50 (lethal half dose) can not 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 EYE IMM IRR LI/V MUT SKI THY	N/A

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:  $\alpha$ -cyanoacrylate: no information

Hydroquinone: Water flea: EC50 = 0.11mg / l logPow = 0.5; biodegradable, to avoid entering water or groundwater.

Biodegradation: No data

Non-biodegradable nature: no information



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### Part.13 the 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 Information

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 450 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



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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.