

THE NAIL SHOP – BRUSH ON RESIN - MATERIAL SAFETY DATA SHEET

Section 1: Identification of the Material and Supplier

Product Name: The Nail Shop Brush On Resin 7g

Other Names: Cyanoacrylate mixture

Proper shipping name (ADG Code): None assigned.

Recommended use: As a repair medium for artificial fingernails.

Supplier: The Nail Shop
ABN 71 365 073 683
22 Pleasant Grove, Holden Hill SA 5088
Tel: 0416 157 087 (business hours)

Emergency Phone Numbers:
Transport/Fire Emergency: 000 (Emergency services)
Medical Emergency (Aus): 131126

Section 2: Hazards Identification

Classified as hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

Risk Phrases: R: 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S: 2 Keep out of the reach of children.
S: 23 Do not breathe vapour.
S: 24/25 Avoid contact with skin and eyes.
S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 3: Composition/Information on Ingredients

Ingredients:
Ethyl 2-cyanoacrylate [7085-85-0] > 60 %
Other ingredients deemed not to be hazardous. to 100 %

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: Do not induce vomiting.

Skin: Remove contaminated clothing and wash skin thoroughly. Should fingers stick together, apply a solvent such as acetone to contact areas then wash off with water.

Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Inhaled: Remove from exposure, rest and keep warm. Seek medical advice.

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First Aid facilities:

Recommended: Eye wash. Hand wash basin. Any convenient source of acetone.

Advice to Doctor:

Product is a variety of "super glue". Irritating by all routes. May bond skin in seconds. Use passive, non-surgical measures to separate bonded skin. Contact Poisons Information Centre.

Aggravated medical conditions:

Pre-existing skin disorders; previous sensitisation to cyanoacrylates.

Section 5: Fire fighting Measures

HAZCHEM Code: None assigned.

Evacuate: No.

Extinguishant: Water fog or fine water spray.

Risk of violent reaction or explosion: No.
Combustible liquid.

Products of combustion: Oxides of carbon, oxides of nitrogen, cyanides, formaldehyde.

Protective Equipment: Full protective clothing including breathing apparatus and protective gloves.

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.
Shut off all sources of ignition.
Increase ventilation.

For large spills:

Prevent spillages entering drains, sewers or natural waters. Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills.

For small spills:

Flood with water. Mix with inert absorbent and transfer to suitable closed container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes.
Avoid breathing concentrated vapours.
Keep away from naked flames and other sources of ignition.

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Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded flammables store. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from naked flames and other sources of ignition. Prevent vapours from collecting in enclosed or low lying spaces. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:

Oxidising agents.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA: None assigned by NOHSC, but see:
Ethyl 2-cyanoacrylate 0.2 ppm [ACGIH]

ES-STEL: None assigned.

ES-PEAK: None.

Notations: None.

Biological Limit Values: No data found.

Engineering Controls:

Use flame proof equipment where available.
Ensure adequate ventilation (same as outdoors) when using.
If handling industrial quantities, or if vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

Personal Protective Equipment:

Avoid contact with skin and eyes. Avoid breathing concentrated vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:

Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Section 9: Physical and Chemical Properties

Appearance: Clear, colourless liquid or gel
Odour: Distinctive, sharp, pungent odour.
Odour Threshold: 1 - 5 ppm
pH: About neutral.
Vapour Pressure: < 0.27 kPa @ 25 °C
Vapour Density: 3 (Air = 1)
Boiling Point: > 150 °C
Melting Point: No data.
Volatiles: Negligable.
Volatile Organic Compounds (VOC): Negligable.

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Evaporation Rate: No data.
Solubilities: Polymerises on contact with water.
Specific Gravity/Density: About 1.1 g/mL @ 20 °C
Flash Point: 93 °C (tag closed cup)
Flammable Limits: No data.
Dust Explosion: Not applicable.
Auto-ignition Temperature: No data.

Other Information:

Rapidly polymerises on exclusion of air, and on contact with alcohols, amines or water.
Soluble in acetone, N,N-dimethylformamide, methyl ethyl ketone, toluene.
May react with strong oxidising agents.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, moisture, contamination.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen, cyanides, formaldehyde.

Hazardous Reactions: Contact with strong oxidising agents may cause fire.

Section 11: Toxicological Information

Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

Acute:

Swallowed: Unlikely to be swallowed. Will polymerise rapidly on contact with saliva, sticking to the inside of the mouth.

Skin: Will bond skin in seconds, sometimes bonding fingers together. High risk of skin damage or injury by attempting to force such bonding apart. Gently apply a solvent, such as acetone, methyl ethyl ketone, toluene, to dissolve the glue, then wash off with soap and water.

Eyes: Vapours may be irritating to eyes, and may cause delayed onset of blurred vision. Splashes in the eye may result in eyelids adhering to the surrounding skin. Do not apply solvents to, or near, eyes. Generation of tears will gently release polymerised glue over a period of hours.

Inhaled: Concentrated vapours may be irritating to the upper respiratory system.

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Chronic: Repeated or prolonged exposure to ethyl 2-cyanoacrylate may cause skin sensitisation.

LD50: Ethyl 2-cyanoacrylate > 5,000 µL/kg oral, rat.

Section 12: Ecological Information

Ecotoxicity: Likely to be harmful to the aquatic environment.

Persistence and degradability: Rapidly polymerises on contact with moisture, forming a relatively inert polymer.

Mobility: Rapidly immobilised on contact with moisture.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

Disposal methods and containers:

Do not dispose of to drains or sewer.
Flood with an excess of water to form the polymer.

Special precautions for landfill or incineration:

High temperature incineration.
May be suitable for landfill after being polymerised with a large excess of water.

Section 14: Transport Information

UN Number: None assigned.

UN Proper shipping name: None assigned.

Class and subsidiary risk: None.

Packaging group: None.

Special precautions for user: Keep dry.
Protect from physical damage.
Keep away from sources of ignition.

HAZCHEM Code: None assigned.

Material for export: May be regulated in other jurisdictions.
Refer to **IMO/IMDG** and **IATA/ICAO**.

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Section 15: Regulatory Information

Poisons (SUSDP): Schedule 5
Cyanoacrylate esters in contact adhesives:
Except when appropriately labelled.

Dangerous Goods: No.

Carcinogen:	Australia	IARC	NTP	RTECS
	No.	No.	No.	No.

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other Information

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.
MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)
IARC - International Agency for Research on Cancer (France).
NPT - National Toxicology Program (USA).
RTECS - Registry of Toxic Effects of Chemical Substances.

Literature references:

Other Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.
Australian Dangerous Goods Code.
Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.
List of Designated Hazardous Substances [10005] - NOHSC.
Merck Index - Merck Inc.
Sax's Dangerous Properties of Industrial Materials - Lewis.
Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.
Handbook of Reactive Chemical Hazards - Bretherick.
Hawley's Condensed Chemical Dictionary - Wiley Interscience.
AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.