



## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** LOCTITE 3090 PART A

**Product-Code:** 1380752

**Intended use:** Cyanoacrylate

**Supplier:**

Henkel Australia Pty. Ltd.  
135-141 Canterbury Road  
3137 Kilsyth, Victoria

Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER 03 9724 6556

### SECTION 2. HAZARDS IDENTIFICATION

**STATEMENT OF HAZARDOUS NATURE:**

Hazardous according to the criteria of ASCC.

Classification of material Xi - Irritant

**Risk phrases:**

R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety phrases:**

S23 Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

S37/39 Wear suitable gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

**Dangerous Goods information:**

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Signal word:**

HAZARDOUS

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Ethyl 2-cyanoacrylate	7085-85-0	> 80 %



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### SECTION 4. FIRST AID MEASURES

<b>Ingestion:</b>	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
<b>Skin:</b>	Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.
<b>Eyes:</b>	If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.
<b>Inhalation:</b>	Move to fresh air, consult doctor if complaint persists.
<b>Medical attention and special treatment:</b>	Treat symptomatically and supportively.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities

### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide. Fine water spray
<b>Improper extinguishing agent:</b>	None known
<b>Decomposition products in case of fire:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.
<b>Particular danger in case of fire:</b>	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can be released. In case of fire, keep containers cool with water spray.
<b>Special protective equipment for fire-fighters:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions and emergency procedures:</b>	Ensure adequate ventilation.
<b>Environmental precautions:</b>	Do not let product enter drains.



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**Clean-up methods:** Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid skin and eye contact.  
Vapours should be extracted to avoid inhalation.

**Conditions for safe storage:** For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C (35.6 - 46.4 °F)

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National exposure standards:**

None

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Eye protection:** Wear protective glasses.

**Skin protection:** Wear suitable protective clothing.  
The use of chemical resistant gloves such as Nitrile is recommended.  
  
Polyethylene or polypropylene gloves are recommended when using large volumes.  
  
Do not use PVC, rubber or nylon gloves.  
  
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

**Respiratory protection:** Ensure adequate ventilation.  
If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** colourless  
Liquid

**Odor:** Irritating

**Solubility:** Solvent: Water, Polymerises in presence of water.

### SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of temperature and pressure.

**Conditions to avoid:** Excessive heat.



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**Incompatible materials:** Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

### SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Ingestion:** Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

**Skin:** Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin. Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare.

**Eyes:** Irritating to eyes. Causes excessive tearing. Eyelids may bond.

**Inhalation:** Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.

**Toxicity data:**  
No data available.

### SECTION 12. ECOLOGICAL INFORMATION

**General ecological information:** Do not empty into drains / surface water / ground water.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Waste disposal of product:** Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorised landfill or incinerate under controlled conditions.  
Dispose of in accordance with local and national regulations.  
Contribution of this product to waste is very insignificant in comparison to article in which it is used

**Disposal for uncleaned package:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.  
Disposal must be made according to official regulations.

### SECTION 14. TRANSPORT INFORMATION

**Road and Rail Transport:**

**Dangerous Goods information:** Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Marine transport IMDG:**  
Not dangerous goods



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### Air transport IATA:

UN no.:	3334
Proper shipping name:	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Class or division:	9
Packaging group:	III
Packaging instructions (passenger)	964
Packaging instructions (cargo)	964
Additional Information:	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

### SECTION 15. REGULATORY INFORMATION

SUSDP Poisons Schedule: 5

### SECTION 16. OTHER INFORMATION

**Abbreviations/acronyms:** ADGC - Australian Dangerous Goods Code  
ASCC - Australian Safety and Compensation Council  
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

**Reason of change:** First issue. involved chapters: 1-16

#### Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material. The information contained in this Material Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel Australia Pty. Limited assumes no legal responsibility for reliance upon same. Henkel Australia Pty. Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Material Safety Data Sheet. This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by either Commonwealth or State statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.