

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** ChemTools 81155 Cyanoacrylate Adhesive Activator  
**Product Type:** Cyanoacrylate Adhesive Activator  
**Company Address:** ChemTools Pty. Ltd., PO Box 4319, Penrith, NSW 2750  
Ph: 02 4635 3746  
**EMERGENCY PHONE:** Australia: Poisons Information Centre 13 1126  
International: Infotrac (708) 918 1900

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous components	CAS #	%	HSIS TWA	HSIS STEL
Acetone	67-64-1	90-95	500ppm (1,185mg/m <sup>3</sup> )	1,000ppm (2,375mg/m <sup>3</sup> )
Modified toluene polymer	proprietary	5-10	Not available	Not available

**3. HAZARDS IDENTIFICATION**

**Hazard Classification:** Hazardous according to the classification of HSIS. This material is classified as Irritant (Xi)  
**Risk Phrase(s)** R11 Highly Flammable  
R36 Irritating to eyes  
R66 Repeated exposure may cause skin dryness or cracking  
R67 Vapours may cause drowsiness and dizziness  
**Safety Phrase(s)** S2 Keep out of reach of children.  
S9 Keep container in a well-ventilated place  
S16 Keep away from sources of ignition - No smoking.  
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 soap suds.  
S37/39 - Wear suitable gloves and eye/face protection.  
**Relevant routes of exposure:** Skin, Inhalation, Eyes  
**Potential Health Effects**  
**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** May cause allergic skin reaction. May cause skin irritation  
**Eye contact:** Contact with eyes may cause irritation.  
**Ingestion:** Moderately toxic by ingestion.  
**Toxicity:** Estimated dermal LD50 more than 2000mg/kg

**4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If symptoms develop and persist, get medical attention.  
**Skin contact:** Wash with soap and water flood area with running water. Remove contaminated clothing and shoes. Wash clothing before reuse.  
**Eye contact:** Flush with copious amounts of water, preferably lukewarm, for at least 15 minutes, holding eyelids open all the time. Get medical attention.  
**Ingestion:** If the chemical has been confined to the mouth, give large quantities of water as a mouthwash. Ensure the mouthwash is not swallowed. If the chemical has-been swallowed, give about 250ml water to dilute it in the stomach. In severe cases, seek medical attention.

**5. FIRE-FIGHTING MEASURES**

**Flash point:** -18°C Tag closed cup  
**Auto ignition temperature:** Not available  
**Flammable/Explosive limits-lower %:** 2.9%  
**Flammable/Explosive limits-upper %:** 12.8%  
**Extinguishing media:** Foam, dry chemical or carbon dioxide.  
**Special fire fighting procedures:** None  
**Unusual fire or explosion hazards:** None  
**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

## 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Use PPE if spill is large. Prevent product from entering drains or open waters.  
**Clean-up methods:** Soak up with inert absorbent material (eg sand, earth, vermiculite). Store in a partly filled, closed container until disposal. Dispose of solid residues in accordance with relevant State and Federal requirements.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapour and mist. Wash thoroughly after handling.  
**Storage:** For safe storage, store at or below 24°C (75°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.  
**Incompatible products:** Refer to Section 10.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.  
**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  
**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.  
**Eye/face protection:** Safety goggles or safety glasses with side shields.  
See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Colour:** Clear/Straw  
**Odour:** Strong solvent  
**Vapour pressure:** Less than 5 mm Hg at 27°C (80°F)  
**pH:** Not applicable  
**Boiling point/range:** 50°-100 ° C  
**Melting point/range:** Not available  
**Vapour density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Slight.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.  
**Incompatibility:** Strong oxidizers. Strong reducing agents. Acids. Alkalis. May decompose if exposed to moist air and water  
**Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

**Acute:**  
**Ingestion:** If swallowed there is immediate irritation and damage.  
**Skin:** None.  
**Eyes:** Contact with the eyes will cause irritation and may cause burns.  
**Inhalation:** None.  
**Chronic:** Prolonged exposure to high concentrations of vapours may lead to chronic effects in sensitive individuals.

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Do not allow material to contaminate the soil or waterways.



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## 13. DISPOSAL CONSIDERATIONS

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.  
**EPA hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT 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)

Classified as Dangerous Goods for air transport only. The appropriate air transport requirements shall apply.

**UN Number:** 1090  
**Proper Shipping Name:** Acetone  
**DG Class:** 3  
**Packing Group:** II  
**Hazchem Code:** 2[Y]E

## 15. REGULATORY INFORMATION

Components of this product are listed on the Australian Inventory of Chemical Substances (AICS)

## 16. OTHER INFORMATION

### Abbreviations/Acronyms:

NOHSC – National Occupational Health and Safety Commission.  
NIOSH – National Institute of Occupational Health and Safety.  
ACGIH – American Conference of Government Industrial Hygienists.  
SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.  
HSIS - Hazardous Substances Information System  
TWA – Time Weighted Average  
TLV – Threshold Limit Value.  
STEL – Short Term Exposure Limit  
PEL – Permissible Exposure Limit

## DISCLAIMER:

The information contained within this MSDS applies only to the ChemTools product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purpose other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.