

**GEMCUTS PTY LTD**

Date of Issue 28-01-2020

**SAFETY DATA SHEET  
SPECIAL 'T'**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted or altered. Gemcuts Pty Ltd will issue a new SDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/ regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

**CLASSIFICATION OF MATERIAL**

**This Material is Hazardous according to Safe Work Australia**

**1. IDENTIFICATION OF THE MATERIAL & SUPPLIER**

<b>Product</b>	Special 'T'
<b>Recommended Use</b>	Adhesive
<b>Supplier/Importer</b>	Gemcuts Pty Ltd
<b>ABN</b>	43 780 687 841
<b>Manufacturer</b>	Satellite City Inc.
<b>Address</b>	36A Smith Drive, West Ballina NSW 2478
<b>Telephone Number</b>	02 66911686
<b>Facsimile</b>	N/A
<b>Email</b>	admin@gemcuts.com.au
<b>Emergency Telephone</b>	131126 Poisons Information Centre 0427012014

## SAFETY DATA SHEET

### 2. HAZARDS IDENTIFICATION

WARNING: Bonds Skin in seconds.

#### 2.1 Hazards Classification:

Non-Dangerous good, Hazardous substance

#### 2.2 Hazard Category:

Flammable Liquids: Cat 4

Eye Irritant: Cat 2

Skin Irritant: Cat 2

Specific Target Organ Toxicity (Single): Cat 3

#### 2.3 Hazard Phrase(s):

**H227:** Combustible liquid

**H315:** Causes skin irritation

**H335-H336:** May cause respiratory irritation. May cause drowsiness or dizziness

**H320:** Causes eye irritation

#### 2.4 Precautionary Phrase(s):

**P102:** Keep out of reach of children.

**P210:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P261:** Avoid breathing fumes.

**P280:** Wear protective gloves/protective clothing/eye protection/face protection.

**P302+P352:** IF ON SKIN: Wash with plenty of soap and water.

**P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P370+P378:** In case of fire: Use foam, powder, or carbon dioxide for extinction.

**P403+P235:** Store in a well-ventilated place. Keep cool.

**Emergency Overview:** Always seek medical attention if unwell or irritated by the use of this product especially in contact with eyes.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Product Description:** Clear Liquid, Sharp aromatic smell.

**3.2 Contents**

Chemical Name	CAS Number	Proportion %
Ethyl 2-cyanoacrylate	7085-85-0	80-90

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections

### 4. FIRST AID MEASURES

**For advice, contact a Poisons Information Centre,**

**Phone (Australia) 131 126**

**Inhalation:** If inhaled, remove from area to fresh air. If required, provide artificial respiration.

Consult doctor if symptoms persist.

**Skin Contact:** Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to unbound the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.

**Ingestion:** Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass.

**Seek immediate medical assistance if symptoms persist or in the case of over exposure.**

**Notes to Doctor:** Treat symptomatically. Symptoms can be acute and delayed.

Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.

**Most important symptoms and effects, both acute and delayed:**  
**Headache, Coughing, Dizziness, Breathing difficulty, Disorientation.**

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### 5. FIRE FIGHTING MEASURES

- 5.1** Special Hazard: In case of fire, trace amounts of toxic and/or irritating fumes may be released.
- 5.2** Suitable Extinguishing Media: Water haze or fog, Foam Fire-extinguishing powder, Carbon dioxide and Sand.
- 5.3** Fire Fighting Advice: Fire fighters should use self-contained breathing apparatus and protective suit

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Action:** Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

Do not allow to enter sewers/surface or groundwater.

Flood with water and allow to solidify. Pick up mechanically. Cured material can be disposed of as non-hazardous waste.

### 7. HANDLING & STORAGE

- 7.1 Handling Advice:** Keep out of reach of children. Use only in well ventilated areas. Keep receptacles tightly sealed. Keep away from heat and direct sunlight. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapours, and cause thermal burns.
- 7.2 Storage Advice:** Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry conditions in well-sealed containers.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Occupational Exposure Limits:

Ethyl 2-cyanoacrylate 7085-85-0 TWA & STEL Have no exposure limit designated by Safe Work Australia.

Thickener has no exposure limit

**8.2 Engineering Control Measures:** Eye wash station. Local and mechanical exhaust ventilation as necessary to control any air contaminants

#### 8.3 Personal Protective Equipment:

CHEMICAL RESISTANT GLOVES, CHEMICAL GOGGLES OR FACE SHIELD, APRON OR OVERALLS, ENCLOSED BOOTS, AIR RESPIRATOR

Complete personal protection from exposure of both contact and inhalation should be taken especially in prolonged contact.

### 9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Clear
Odour:	Sharp, Aromatic
Solubility:	Polymerization in presents of water
Size	Approx. 80mm x 40mm or 110mm x 50mm
Weight	Approx. 40g to 80g
Density	1.05
Self-Ignition Point (°C):	485°C
Flash Point (°C)	80-93°C
Boiling Point (°C)	>149°C
Vapour Density	Not Available

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### 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable under normal conditions, use and storage.

**Conditions to Avoid:** Excessive heat and ignition source

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

**Incompatible Materials:** Water, amines, alkalis and alcohols.

### 11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Relevant routes of exposure: Skin, Inhalation, Eyes

Inhalation: May cause respiratory tract irritation. Overexposure may lead to difficulty in breathing and tightness in the chest.

Skin: May cause skin irritation. Bonds skin in seconds. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare.

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.

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

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

Not A known Carcinogen

Ethyl 2-cyanoacrylate: LC50 and LD50 unknown

Thickener: LC50 and LD50 None. Can be an irritant.

However, for Cyanoacrylates

Oral LD50 (rat): >5,000 mg/kg

Dermal LD50 (rabbit): >2,000 mg/kg

### 12. ECOLOGICAL INFORMATION

No information available.

### 13 DISPOSAL CONSIDERATIONS

Commonwealth, State and Local laws governing disposal of material can differ. Ensure proper disposal compliance with the proper authority before disposal.

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### 14. TRANSPORT INFORMATION

International Air Transportation (ICAO/IATA)

Proper shipping name: Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)

Hazard class or division: 9

Identification number: UN3334

Packing group: III

Exceptions:(Not more than 500ml) Unrestricted

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

### 15. REGULATORY INFORMATION

**Work Health and Safety Regulation 2017**

**Safe Work Australia HCIS**

**IMDG**

**NTC**

**ADG**

### 16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Gemcuts Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Gemcuts Pty Ltd at the contact details on page 1.

Gemcuts Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.