


ACCENT SUPER GLUE

Safety Data Sheet

1. Identification

GHS Product Identifier	ACCENT SUPER GLUE	
Company Name	Shamrock Australia Pty Ltd	Mitre 10 Australia Ltd.
Address	21-23 Joseph Street Blackburn North Victoria, 3130 Australia	19 Corporate Drive, Heatherton. VIC. 3202 ABN 98009713704 www.mitre10.com.au
Contact Details	Phone: +61 3 9895 4300 Fax: +61 3 9895 4399	Phone: 1300 880 440 Email: hub@mitre10.com.au
Emergency Phone Number	24 hours	
Recommended use of the chemical and restrictions on use	Cyanoacrylate adhesive	
Other Information	This SDS summarises to the best of our knowledge the health and safety hazard information of the product and how to safely handle and use the product in the workplace.	

2. Hazard(s) Identification

GHS Classification of the substance/mixture	Classification according to Regulation (EC) No 1272/2008	
	Serious eye irritation	Category 2
	Skin irritation	Category 2
	Specific target organ	Category 3
	Flammable Liquids	Category 4
Signal Word(s)	Warning	
Hazard Statement(s)	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H227 - Combustible liquid Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.	
Precautionary Statement - Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P210 - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.	
Precautionary Statement - Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302 + P350 If on skin: Wash with plenty of soap and water.	
Precautionary Statement - Storage	P405 - Store locked up. P403+P235 - Store in a well ventilated place. Keep cool.	
Precautionary Statement - Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.	

3. Composition/Information on Ingredients

General chemical description	Cyanoacrylate Adhesive
Base substances of	Cyanoacrylate

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preparation Ingredients

Name

Ethyl 2-cyanoacrylate

CAS

7085-85-0

Proportion

>70 - <100%

4. First-Aid Measures

Inhalation

Don't breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer. Evacuate from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If the breath has stopped, have artificial respiration. If breathing difficulty occurs, have oxygen inhalation.

Ingestion

Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow.

Skin

Instantly wash affected parts of the body with water and soap and rinse thoroughly. Seek medical treatment and present this data sheet.

Eye Contact

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

Most important symptoms and effects, both acute and delayed

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye: Irritation, conjunctivitis.
Skin: Redness, inflammation.
Respiratory: Irritation, coughing, shortness of breath, chest tightness.

Indication of any immediate medical attention and special treatment need.

In case of lung irritation: Auxiloson
Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage spray (Auxiloson and pulmicort are registered trademarks).

5. Fire-Fighting Measures

Suitable extinguishing media

Alcohol-resistant foam, dry power, carbon dioxide, water spray jet

Unsuitable extinguishing media

High volume water jet

Specific hazards arising from the chemical

In the event of fire the following can be released: Nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide(CO₂)

Advise for firefighters

In case of fire and/or explosion do not breathe fumes. Firefighters should wear positive pressure self-contained breathing apparatus (SCBA).
Firefighting operations, rescue and cleaning work under effect of combustion and smolder gases jus may be done with breathing apparatus.
Dispose of contaminated extinction water according to official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Use personal protective clothing.
For emergency responders: Ensure adequate ventilation. Avoid contact with eyes or skin.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

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Methods and material for containment and cleaning up

Do not use cloth for clean-up. Flood with water to complete polymerization and scrape up the polymer. Solid material can be disposed as non-hazardous waste.

Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13

7. Handling and Storage

Precautions for Safe Handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mists. Wash thoroughly after handling. Avoid contact with fabric and paper goods. Contact with these may cause polymerization that can generate smoke and strong irritating vapors, and can cause thermal burns. Wash hands and face before eating.

Conditions for safe storage, including any incompatibilities

Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Incompatible products: Do not store together with alkalis.

8. Exposure Controls/Personal Protection

Hazardous components CAS-No.	ppm	Mg/m3	Type	Remarks
Ethyl 2- cyanoacrylate 7085-85-0	-	-	TWA(8h)	EH40 WEL
	0.3	1.5	Short Term Exposure Limit STEL(15min)	EH40 WEL

Exposure Control:**General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Appropriate Engineering Controls

If general ventilation is insufficient to maintain vapor concentration below established exposure limits, use protective downdraft exhaust ventilation.

Respiratory Protection

If there is a potential to exceed exposure limits, use an approved respirator.

Eye Protection

Safety glasses with side shields or chemical splash goggles.

Skin Protection

Do not use PVC, rubber, cotton or nylon gloves.
Tested protective gloves are to be worn: Suitable material: Synthetic rubber gloves. In the case of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Environmental exposure

Do not empty into drains or the aquatic environment.

9. Physical and Chemical Properties and Safety Characteristics

Form	Liquid.
Appearance	Colourless to straw liquid
Odour	Sharp, irritating
Odour Threshold	-
pH	N/A
Melting point/freezing point	-22°C
Initial boiling point and boiling range	>200°C

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Flash Point	80-93.4°C (Method - Tag closed Cup)
Evaporation Rate (Butyl acetate = 1)	N/A
Flammability	N/A
Flammable Limits – Upper/Lower	N/A
Vapour Pressure	less than 0.2 mm Hg at 25°C
Vapour Density (Air=1)	Approx. 3
Relative density	1.1g / cm ³
Solubility	Polymerizes in presence of water
Partition coefficient	N/A
Auto-ignition temperature	485°C
Decomposition temperature	N/A
Specific Gravity	1.10 (25°C)
Viscosity	270-500cps
Explosion Properties	Not explosive
Oxidizing properties	Product is not oxidizing
VOC content	Less than 2%; 20g/l (California SCAQMD Method 361B)

10. Stability and Reactivity

Reactivity	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis, oxidizing agents and alcohols. Stable under recommended storage conditions.
Chemical Stability	The product is in compliance with the storage and processing conditions, chemically stable.
Possibility of hazardous reactions	Danger of polymerization. Polymerization with evolution of heat.
Conditions to Avoid	Spontaneous polymerizations.
Incompatible Materials	Water, amines, alkalis, oxidizing agents and alcohols.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide. Nitrous oxides (NOx).

11. Toxicological Information

Ingestion	Cyanoacrylates are considered to have relatively low toxicity. Acute oral LD ₅₀ is >5000 mg/kg (rat). It is almost impossible to swallow as it rapidly polymerizes in the mouth.
Inhalation	Irritating to respiratory system. Prolonged exposure to high concentrations of vapor may lead to chronic effects in sensitive individuals. In dry atmosphere with <50% humidity, vapor may irritate the eyes and respiratory system.
Skin contact	Irritating to the skin. Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD ₅₀ (rabbit) >2000mg/kg. Due to polymerization at the skin surface allergic reaction is unlikely to occur.
Eye contact	Irritating to eyes. Liquid product will bond eyelids. In a dry atmosphere (RH<50%) vapor may cause irritation and lachrymatory effect.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	LD50	>5000mg/kg	Oral	-	Rat	OECD Guideline 401 (Acute Oral Toxicity)
	LD50	>2000mg/kg	Dermal	-	Rabbit	OECD Guideline 402

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						(Acute Dermal Toxicity)
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Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	Slightly irritating	24 hrs	Rabbit	OECD Guideline 404 (Acute Dermal Irritation/Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	Slightly irritating	72 hrs	Rabbit	OECD Guideline 405 (Acute Eye Irritation/Corrosion)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study/Route of administration	Metabolic activation/ Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	-	Bacterial reverse mutation assay(e.g. Ames test) mammalian cell gene mutation assay in vitro mammalian chromosome aberration test	With and without/ With and without		OECD Guideline 471(Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Germ cell mutagenicity: According to NTP, OSHA and IARC, the substance is not carcinogenic.

12. Ecological Information

Ecological Information

Toxicity:

Biological and chemical oxygen demands (BOD and COD) are insignificant. Do not empty into drains/ surface water/ ground water. Do not allow uncontrolled leakage of product into the environment.

Mobility in soil

Cured adhesives are immobile.

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Other adverse effects

No further relevant information available.

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Ethyl 2-cyanoacrylate 7085-85-0	-	aerobic	57%	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative Potential:

Hazardous components CAS-No.	Log Kow	Bioconcentration Factor (BCF)	Temperature	Method
Ethyl 2-cyanoacrylate 7085-85-0	0.776	-	22°C	EU Method A. 8 (Partition Coefficient)

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13. Disposal Considerations

Waste treatment methods	Dispose according to local, province/state, country's governmental regulations.
Appropriate methods of waste treatment of substance	Cured adhesive: Disposal of as water insoluble non-toxic solid chemical in authorized landfill or incinerate under controlled conditions.
Appropriate methods of waste treatment of packaging	After use, tubes, cartons, and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated. Disposal must be made according to official regulations.
Sewage disposal	Dispose according local, province/state, country's governmental regulations.
Special precautions	N/A
Relevant community/national/regional provisions	N/A

14. Transport Information

	ADR/RID	AND/ADNR	IMDG	IATA
UN Number	None	-	-	UN 3334
UN Proper Shipping Name	None	-	-	AVITATION REGULATED LIQUID,N.O.S (Cyanoacrylate ester)
Transport hazard class(es)		-	-	9
Packing group	None	-	-	None
Environmental hazards	None	-	-	-
Special precautions for user	None	-	-	-

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU regulations	Regulation (EC) No 1907/2006 Regulation (EC) No 1272/2008
Authorizations and/ or Restrictions on Use Authorizations	This product is not included on the Candidate List of Substances of Very High Concern for Authorization
Restrictions on use	The product is not subject to restrictions under Annex XVII of REACH Regulation This product is exempt from scheduling based on the presence of required label warnings.

16. Other Information

Date of preparation or last revision of SDS	15/07/2015
Contact Person/Point	Shamrock Australia Pty Ltd

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Fax: +61 3 9895 4399 (International)

Poisons Information Centre

13 11 26 (Australia)

0800 764 766 (New Zealand)

The information and recommendations set down here in this document are presented in good faith and to the best of Shamrock Australia's knowledge. Shamrock Australia Pty Ltd cannot predict or control all conditions of use or handling of this product and each user must review this document in the context of the conditions under which they intend to handle and use this product. It is the responsibility of the user to ensure a proper assessment has been carried out. No representations or warranties, either expressed or implied, or merchantability, fitness for purpose or any other nature are made hereunder with respect to the product to which this information refers.