SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Alteco Superglue**
Product Use:	Adhesive
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	Hobeca Trading Co Ltd
Address:	25 Andrew Baxter Drive Auckland, 2022 New Zealand
Telephone:	+64 9 249 0499
Emergency No:	0800 764 766 (National Poison Centre)
Manufacturer:	Alteco Chemical Pte Ltd 19 Tuas Avenue 11 Singapore 639084 SINGAPORE
Telephone:	+65 6862 0377
Date of SDS Preparation:	6 October 2020

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Surface Coatings and Colourants (subsidiary) - HSR002670

Pictograms

Irritant

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E (Resp)	H335	May cause respiratory irritation.	STOT SE 3
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
9.1D	H401	Toxic to aquatic life.	Aquatic Acute 2

Prevention Code	Prevention Statement
P103	Read label before use.
P261	Avoid breathing fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.

P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	**Response Statement**
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	**Storage Statement**
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code	**Disposal Statement**
P501	Triple rinse container before disposal or crush or puncture to prevent reuse.

Section 3. Composition / Information on Ingredients

Ingredients	**Wt%**	**CAS NUMBER.**
Ethyl 2-Cyanoacrylate	85-95	7085-85-0
Polymethyl methacrylate	1-15	9011-14-7
Hydroquinone	0.1-0.9	123-31-9

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin — Take off contaminated clothing and wash before re-use. Rinse with soap and water. Wash off hardened remains with warm water. If skin irritation occurs: Get medical advice/ attention.

If Swallowed — If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water. Seek medical advice if needed.

If Inhaled — Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed
Symptoms:

Swallowed: Not applicable.
Inhaled: May cause respiratory irritation. Cough.
Skin: Causes skin irritation and redness.
Eye: Causes severe eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable.
Hazards from products	Carbon oxides. Nitrogen oxide, Organic vapor.
Suitable Extinguishing media	Carbon dioxide. Sand. Do not use water.
Precautions for firefighters and special protective clothing	Firefighters should wear positive pressure for Firefighter self-contained breathing apparatus.
HAZCHEM CODE	**None allocated**

Section 6. Accidental Release Measures

Wear protective protection as detailed in Section 8. Evacuate all non-essential personnel. Ensure adequate ventilation. Don't let product enter drains.

Don't use clothes. Pick up with absorbent materials. Dispose of according to Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing fumes, vapours or spray.
- Avoid spillage.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep container closed at 2 - 30°C.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

		TWA		STEL	
Substance	**Cas No**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Hydroquinone	[123-31-9]	-	2	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

Ensure adequate ventilation is available.

Personal Protection Equipment:

Eyes	Wear safety goggles.
Hands and Skin	Wear waterproof gloves and protective clothes. Polyethylene, polypropylene and nitrile rubber gloves are recommended. Natural rubber, cotton and nylon gloves are not recommended.
Respiratory	General (mechanical) room ventilation is expected to be satisfactory.

Section 9 Physical and Chemical Properties

Appearance	Clear to Slight Yellowish Liquid
Odour	Irritating.
Odour Threshold	Not applicable
pH	6-7 at 25°C
Boiling Point	54°C (3 mmHg)
Melting Point	Not available
Freezing Point	Not applicable
Flash Point	92°C
Flammability	Non Flammable
Upper and Lower Exposure Limits	Not available
Vapour Pressure	186 mmHg at 125°C
Vapour Density	Not applicable
Density	1.06 ± 0.02 g/cm^3 at 25°C
Water Solubility	Polymerized.
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not available
Decomposition Temperature	Not applicable
Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended storage and handling conditions.
Reactivity	Rapid exothermic polymerization will occur in the presence of water, amine, alkalis and alcohols.
Conditions to Avoid	Extreme temperatures, moisture
Incompatible Materials	Fast polymerization will occur in the presence of water, amine, alkalis and alcohols.
Hazardous Decomposition Products	No dangerous decomposition products known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause respiratory irritation.
Eye	Causes severe eye irritation.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Ethyl cyanoacrylate (7085-85-0)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	-
Hydroquinone (123-31-9)	593 mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Harmful to aquatic life.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Toxicity for individual components:
Aquatic toxicity: Hydroquinone LC50 (fish): 0.044mg/L (IUCLD(1995))

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:
Dispose of container through approved landfill. Unwanted product should be disposed of according to local regulations. Contact supplier for guidance if unsure.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

EPA Approval No: Surface Coatings and Colourants (subsidiary) - HSR002670

HSNO Classification: 6.1E(resp), 6.3A, 6.4A, 9.1D

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000L (9.1D)
Emergency Response Plan	10 000L (9.1D)
Secondary Containment	10 000L (9.1D)
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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