

Section 1. Identification of the material and the supplier

Product: Loxeal Istant 43S
Product Use: Adhesive
Restrictions of use: Refer to Section 15

New Zealand Supplier: Sabre Adhesives Ltd
Address: 42 Cambridge Street
Levin, 5510, New Zealand
Telephone: +64 (0)6 366 0007
Emergency No: 0800 764 766 (National Poison Centre)

Australian Supplier: Sabre Adhesives Ltd
Address: Level 6, 10 Herb Elliot Avenue,
Sydney, NSW, 2127
Telephone No: +61 2 9098 8244
Emergency No: 13 11 26 (National Poison Line)

Date SDS Issued: 13 October 2022 v2

Section 2. Hazards Identification

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

New Zealand:

Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

NZ - EPA Approval Code: Surface Coatings and Colourants (combustible) - HSR002657

Pictograms



SIGNAL WORD: Warning

GHS Category

Hazard Code

Hazard Statement

GHS Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 4	H227	Combustible liquid.
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
specific target organ toxicity – single exposure Cat. 3 respiratory tract irritation	H335	May cause respiratory irritation.

Prevention Code Prevention Statement

P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing as detailed in Section 8.

Response Code Response Statement

P312	Call a POISON CENTRE or doctor 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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P370 + P378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

Storage Code Storage Statement

P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code Disposal Statement

P501	Dispose of according to the local authorities
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Section 3. Composition of hazardous Ingredients**Section 3. Composition of hazardous Ingredients**

Ingredients	Wt%	CAS NUMBER.
Ethyl 2-Cyanoacrylate	60-100	7085-85-0

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. If adhesive bonding occurs, do not force eyelids apart. Apply a pad soaked in warm water and allow the eyelids to separate. Continue rinsing. If eye irritation persists: Get medical advice. Cured adhesive will not bond well to surface of eye, but corneal damage from abrasion may result.
If on Skin	Rinse skin with water/shower. Take off contaminated clothing and wash before re-use. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If vomiting occurs, give further water and get to a doctor or hospital quickly. Immediately call a POISON CENTER or doctor/physician.

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:

Ingestion: On contact, immediate bonding of mouth could occur.

Inhalation: May cause respiratory irritation. Irritation of nose, throat and airway.

Skin: Causes skin irritation. May cause an allergic skin reaction. Prolonged skin contact may cause redness and irritation.

Eye: Causes serious eye irritation. May cause redness and pain.

Notes to Doctor: SKIN BONDING. Prise the skin apart slowly working from the edge of the bonded area. This can be eased by using warm soapy water. EYE BONDING. DO NOT force eyelids apart. Apply a pad soaked in warm water and allow the eye to separate itself.

Section 5. Fire Fighting Measures

Hazard Type	Combustible
Hazards from products	Decomposes upon heating to release toxic fumes of nitrogen oxides, carbon monoxide, carbon dioxide, and hydrogen cyanide.
Suitable Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Precautions for firefighters and special protective clothing	Use air-supplied respirator, gloves and protective goggles. Avoid breathing fire gases or vapours. Cloths used to wipe up spills may cause rapid polymerization that could generate sufficient heat to ignite the cloth.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

Do not discharge into drains or watercourses or onto the ground.

Small spills: Wipe up with cloth. Immediately soak cloth with water to polymerize the adhesive.

Caution! Cloth containing adhesive may undergo auto ignition if not soaked with water

Large spills: Flood area with water. When cured, remove film with a scraper.

Collect and dispose of according to Local Regulations as per Section 13.

Section 7. Handling and Storage

Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Wash hands thoroughly after handling.
- Ensure adequate ventilation of the working area.
- Avoid contact with skin and eyes.
- Always replace cap after use.
- Take off contaminated clothing and wash before re-use.
- Wear protective clothing as per Section 8.

Storage:

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Tel: +64 9 475 5240 www.techcomp.co.nz

- Store in tightly-closed, original container in a dry, cool and well-ventilated place.
- Keep containers upright.
- Store away from incompatible materials listed in Section 10.
- Store locked up.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

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 APRIL 2022 13TH EDITION.

ethyl 2-cyanoacrylate (CAS: 7085-85-0)

DNEL

Workers - Inhalation; Long term systemic effects: 9.25 mg/m³

Workers - Inhalation; Long term local effects: 9.25 mg/m³

PNEC - Technically not feasible.

Engineering Controls

Normal (mechanical) room ventilation should be adequate for small volumes. For higher volume activities, or if needed for worker comfort, local mechanical exhaust should be provided.

Personal Protection Equipment:



Eyes	Safety glasses with side shields. Avoid wearing contact lenses.
Hands and Skin	It is recommended that chemical-resistant, impervious gloves are worn. Gloves should conform to EN 374. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 0.5 hours. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 8 hours. The breakthrough time for any glove material may be different for different glove manufacturers. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Uniforms, coveralls, or a lab coat should be worn
Respiratory	Ensure adequate ventilation of the working area. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection complying with an approved standard should be worn if a risk

	assessment indicates inhalation of contaminants is possible. Organic vapour filter. Type A. (EN14387)
Hygiene Measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.

Section 9 Physical and Chemical Properties

Appearance	Colourless Liquid
Colour	Pungent
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	>100°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	83°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	~0.6 mbar @ 25°C
Vapour Density	Not available
Relative Density	1.1
Solubility	Hardens in contact with water. Insoluble in water. Miscible with Acetone
Partition Coefficient:	Not available
Auto Ignition temp	Not available
Oxidising	Not available
Viscosity	~ 115 mPa.s @ 25°C

Section 10. Stability and Reactivity

Stability of Substance	Stable at normal ambient temperatures and when used as recommended.
Reactivity	Reactions with the following materials may generate heat: Water Alcohols. Alkalis. Amines.
Conditions to Avoid	Do not add water directly to the product. It may cause a violent reaction.
Incompatible Materials	Water. Amines. Alkalis. Alcohols.
Hazardous Decomposition Products	Heating may generate the following products: Toxic gases/vapours/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x). Hydrogen cyanide (HCN).

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. On contact, immediate bonding of mouth could occur.
Dermal	Not applicable.
Inhalation	May cause respiratory irritation.
Eye	Causes serious eye irritation. On contact, will bond eyelids together. Vapours are lachrymatory.
Skin	Causes skin irritation. On contact, immediate bonding of the skin will occur.

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.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Biodegradation	No data available
Bioaccumulation	No data available on product ethyl 2-cyanoacrylate = log Kow: 0.776
Mobility in Soil	The product hardens to a solid immobile substance.
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Empty packaging completely prior to disposal. Place any recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations.

Precautions: Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste - Combustible".

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7
This product is NOT classified as a Dangerous Good for transport: NZS 5433:2020

Section 15 Regulatory Information

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Poison Schedule No: Schedule 5

New Zealand:

Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

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
Emergency Response Plan	10 000L
Secondary Containment	10 000L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

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Date of SDS: 13 October 2022

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Glossary

Cat	Category
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	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:

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
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. The information herein is given in good faith, but no warranty, express or implied is made. Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

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Review Date:

13 October 2027