

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **C-thru Shower Shield**
Product Use: Used to prevent minerals and other contaminants from attaching themselves to glass showers, windows, stainless steel and other hard surfaces.
Restriction of Use: Refer to Section 15
New Zealand Supplier: **C-thru Solutions**
Address: 76 Omokoroa Road
Omokoroa Road
3114
Telephone: +64 7 548 0770
Fax: +64 7 548 0771
Email: info@c-thu.co.nz
Emergency No: 0800 428 478 / 021 237 5126
0800 764 766 (National Poison Centre)
Date of SDS Preparation: 19 June 2018

Section 2. Hazards Identification

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

EPA Approval No: Cleaning Products (Flammable) – HSR002528

Pictograms



Flammable Irritant Ecotoxic

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
9.1D	H401	Toxic to aquatic life	Aquatic Acute 2
9.4B	H442	Toxic to terrestrial invertebrates.	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.

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

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P370 + P378	In case of fire: Use water spray, water fog or fine mist, alcohol foam for extinction.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Isopropyl Alcohol	>80%	67-63-0
Silicone	3-5	Proprietary
Quaternary ammonium compounds	<0.5	Proprietary
Phosphoric Acid	<0.5	7664-38-2
Non hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: get medical advice/attention.
If Swallowed	Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention 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. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: May be harmful if swallowed.

Inhalation: Not applicable.

Skin: Causes mild skin irritation.

Eye: Causes severe eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from combustion products	Vapour accumulation could flash and/or explode if ignited.
Suitable Extinguishing media	Water spray, water fog or fine mist, alcohol foam.
Precautions for firefighters and special protective clothing	Fire fighters must use recommended protective equipment and self-contained breathing apparatus.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition.

Do not allow to enter waterways. Soak up with absorbent cloth or material.

Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.
- 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 in a well-ventilated place. Keep cool.
- 40°C maximum. Store away from heat and open flames. Store at ambient temperatures.
- Keep containers tightly closed and in a well ventilated place.
- Do not store alongside food or feedstuffs.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

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

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 2017 9TH EDITION.

Engineering Controls

Use only in well ventilated area. Eliminate sources of static build-up. Earth bulk containers.

Personal Protection Equipment



Eyes	Solvent resistant safety eyewear.
Hands and skin	For personal use, no skin protection required except in instances of highly sensitive or already damaged skin. In such instances protective clothing and neoprene or nitrile rubber gloves should be worn.
Respiratory	For personal use no respiratory protection required.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear
Odour	Sharp hydrocarbon smell
Odour Threshold	Not available
pH	Not available
Boiling Point	82°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	12.0°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	4.3 kPa @ 20°C
Vapour Density	0.785 @ 15°C (air=1)
Specific Gravity	0.79 @ 25°C
Water Solubility	Miscible in water
Partition Coefficient:	Not available
Ignition Temperature	>350°C
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Volatiles	100%

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Sources of heat and ignition, open flames.
Incompatible Materials	Not available
Hazardous Decomposition Products	Not available

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful is swallowed.
Dermal	Not applicable.
Inhalation	May cause headache, dizziness, nausea and Narcosis.
Eye	Causes severe eye irritation.
Skin	Causes mild 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.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life
9.4B = Toxic to terrestrial invertebrates.

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

Section 13. Disposal Considerations**Disposal Method:**

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable, Ecotoxic" and that the label also has the Flammable, Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 1219
Class-primary 3
Packing Group II
Proper Shipping Name: ISOPROPYL ALCOHOL

Air Transport

UN No: 1219
Class-primary 3
Packing Group II
Proper Shipping Name: ISOPROPYL ALCOHOL

Marine Transport

UN No: 1219
Class-primary 3
Packing Group II
Proper Shipping Name: ISOPROPYL ALCOHOL

Section 15 Regulatory Information

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

EPA Approval Code: Cleaning Products (Flammable) – HSR002528

HSNO Classification: 3.1B, 6.1E(oral), 6.3B, 6.4A, 9.1D, 9.4B

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L(9.1B)
Secondary Containment	1000L(9.1B)
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

Product Name: C-thru Shower Shield
Date of SDS: 19 June 2018

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The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 19 June 2018

Review Date:

19 June 2023