

**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 Limited**  
 Address: 131 Welcome Bay Road  
 Tauranga  
 3112

Telephone: 021 139 2777  
 Email: info@c-thu.co.nz  
**Emergency No: 0800 428 478**  
**0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 9 May 2022 v2

**Section 2. Hazards Identification**

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: Cleaning Products (Flammable) – HSR002528**

**Pictograms**

Flammable Irritant Ecotoxic

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Hazardous to terrestrial invertebrates	H442	Hazardous to terrestrial invertebrates

Prevention Code	Prevention Statement
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
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
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.
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	63148-62-9
Sanitiser	<0.5	8001-545-5
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:

<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Not applicable.
<b>Eye:</b>	Causes severe eye irritation.

**Section 5. Fire Fighting Measures**

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

**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:**

- 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropyl alcohol [67-63-0]	400	983	500	1,230
Phosphoric acid [7664-38-2]		1		

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

### Engineering Controls

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

### Personal Protection Equipment



<b>Eyes</b>	Solvent resistant safety eyewear.
<b>Hands and skin</b>	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.
<b>Respiratory</b>	For personal use no respiratory protection required.

## Section 9 Physical and Chemical Properties

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

## Section 10. Stability and Reactivity

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

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause headache, dizziness, nausea and Narcosis.
<b>Eye</b>	Causes severe eye irritation.

<b>Skin</b>	Not applicable.
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**Chronic Effects:**

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

**Section 12. Ecotoxicological Information**

Hazardous to terrestrial invertebrates.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Do not allow to enter waterways.

**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" and that the label also has the Flammable 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 2020

EPA Approval Code: Cleaning Products (Flammable) – HSR002528

GHS Classification:  
 Flammable Liquids Cat. 2  
 Eye irritation Cat. 2  
 Hazardous to terrestrial invertebrates

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

**Section 16 Other Information****Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 2020 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**

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

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