



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Safe Solution Anti-Slip Treatment
Other names:
Recommended use: Bath and tile anti-slip treatment
Supplier
Name: Global Safe Technology (Australia) Pty Ltd
Address: 23/159 Chifley Street
Wetherill Park, NSW 2164
Telephone: 1 300 668 620
Emergency Telephone: 1 300 668 620

SECTION 2 HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Harmful by inhalation and contact with skin. Corrosive to eyes, respiratory system and skin.

<i>Risk Phrases:</i>	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
	R34	Causes burns.
<i>Safety Phrases:</i>	S1	Keep locked up.
	S2	Keep out of the reach of children.
	S7	Keep container tightly closed.
	S9	Keep container in a well ventilated place.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Concentration</u>
Hydrofluoric acid	7664-39-9	4%



SECTION 4 FIRST AID MEASURES

- Skin Contact:* Remove contaminated clothing.
Wash affected areas thoroughly with large volumes of water for 15 to 30 minutes. Gently massage calcium gluconate gel (2.5%) in the burn area for at least 15 minutes or until pain is relieved.
Get medical attention.
- Eye contact:* Rinse carefully and thoroughly with water for 20 minutes while holding eye lid open. Seek medical attention immediately.
- Inhalation:* Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, a qualified person may give oxygen.
Get medical attention.
- Ingestion:* Do NOT induce vomiting. If conscious, give large volume of water or milk. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

- Conditions of flammability:* Requires source of ignition.
- Hazardous combustion products:* Carbon dioxide. Toxic gases.
- Extinguishing media:* Use extinguishing media suitable for surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Emergency procedures:* Wear protective clothing, gloves (pvc/neoprene) and safety goggles.
- Methods and materials for containment and clean up:* Prevent spill from entering drains or watercourses. Dilute spill using water. If possible, cover liquid with earth or other absorbent material and collect in plastic container for disposal by permitted means.
Wash spill area with water.

SECTION 7 HANDLING AND STORAGE

- Precautions for safe handling:* Avoid prolonged or frequent contact.
Avoid breathing mist or vapours.
Use protective equipment where required.



Storage: Keep separate from food stuffs.
Store in well ventilated area in totally closed container and out of reach of children.

Incompatibilities: Avoid exposure of product to strong oxidisers or alkalis.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: None allocated in Australia.
TLV (as F): 3 ppm (ceiling values) (ACGIH)
MAK: 3 ppm; 2.5 mg/m³; BAK 7
mg/g creatinine
MAK as STEL: 6ppm; 5 mg/m³

Engineering Controls: None required. Normal ventilation is adequate.

Personal Protective Equipment and Practices: Protective clothing.
Gloves (pvc/neoprene).
Safety goggles or face shield.
Wash after use and before eating, smoking or using the toilet.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance and odour: Clear liquid with pungent odour

Boiling point: Approximately 100°C

Freezing point: Approximately 0°C

Specific gravity: 1.06 (20°C)

Solubility: Soluble in water

pH: 1.6

SECTION 10 STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Incompatible materials: Strong oxidisers.
Alkalis.

Hazardous decomposition products: Not available.

Hazardous reactions: Not available.



SECTION 11 TOXICOLOGICAL INFORMATION

<i>Skin contact:</i>	Corrosive. May cause severe irritation or permanent damage if not treated promptly.
<i>Inhalation:</i>	Corrosive. Spray or mist may cause respiratory tract irritation.
<i>Ingestion:</i>	Corrosive. May cause severe irritation of the digestive tract and severe damage if not treated promptly.
<i>Effects of chronic exposure:</i>	Not available.
<i>Irritancy of product:</i>	Very irritating to skin and eyes.
<i>Sensitisation:</i>	No evidence to indicate product is a sensitiser.

SECTION 12 ECOLOGICAL INFORMATION

<i>Ecotoxicity:</i>	Release of large quantities into aquatic environments may harm aquatic organisms.
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SECTION 13 DISPOSAL CONSIDERATIONS

<i>Disposal methods:</i>	Dispose of unused or recovered product in accordance with state regulations/requirements. Contact local environment protection authority or a reputable waste disposal company for local requirements.
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SECTION 14 TRANSPORT INFORMATION

<i>Shipping name:</i>	Safe-Solution Anti-Slip Treatment
<i>UN Number:</i>	1790
<i>UN Proper Shipping Name:</i>	Hydrofluoric acid 4%
<i>Class</i>	8
<i>Packing group:</i>	II



SECTION 15 REGULATORY INFORMATION

Chemical Inventory Status

Ingredient

Hydrofluoric acid

Australia

Yes

TSCA

Yes

EC

Yes

Japan

Yes

Canada

Yes (DSL)

SECTION 16 OTHER INFORMATION

The information contained in this MSDS is for the product as supplied. Hazards may change if the product is mixed with other substances.

Prepared: 20 January 2004

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