

Neutralizer Solution

Date of issue: 6 April 2006

1. IDENTIFICATION

Product Name: Neutralizer Solution
Other Names: Safe Solution Neutralizer
Use: Bath and tile treatment neutraliser

Supplier:

Name: Global Safe Technologies (Australia) Pty Ltd
Address: 23/159 Chifley Street, Wetherill Park, NSW 2164
Telephone: 1 300 668 620

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS FOR TRANSPORT

Classified as not hazardous according to criteria of NOHSC
Classified as not dangerous goods according to criteria of ADG 6.

Potential Hazards:

Irritating to eyes and skin.

Non-Hazardous substance - the following are provided for precautionary purposes:

Risk Phrases:

R36/38 Irritating to eyes and skin.
R52 Harmful to aquatic organisms.

Safety Phrases:

S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 Avoid release to the environment. Refer to special instructions (see section 6, 7, 13).

3. COMPOSITION

Ingredient	CAS No.	% w/w
Sodium metasilicate	6834-92-0	<10%
Other ingredients not contributing to hazard		>90%

4. FIRST AID MEASURES

Contact a Poisons Information Centre (Phone 13 11 26) or a doctor in every case of suspected chemical poisoning. Do NOT give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

Skin: Remove contaminated clothing. Wash affected areas thoroughly with large volumes of water for 15 to 30 minutes. Get medical attention if irritation persists.

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Eye: Rinse carefully and thoroughly with water for 20 minutes while holding eye lid open. Remove contact lenses if present after the first 5 minutes if qualified to do so. Continue rinsing. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do NOT induce vomiting. If conscious, give large volume of water or milk. Get medical attention.

5. FIRE FIGHTING MEASURES

Flammability: Not flammable (aqueous).

Suitable extinguishing media: Using extinguishing media suitable for surrounding fire.

Hazards from combustion products: Carbon dioxide and carbon monoxide may be formed in fire. Hydrolysis of sodium metasilicate occurs when heated to produce free sodium ions and silicic acid.

Precautions for fire fighters and special protective equipment: Breathing apparatus is recommended. In conditions where air may be limited wear self-contained breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Avoid contact with skin, eyes or clothing.

Containment and clean up: Prevent spill from entering drains or watercourses. Cover with absorbent material such as sand, soil or sawdust and sweep up into suitable containers. Rinse spill area with water.

7. HANDLING AND STORAGE

Handling: Avoid prolonged or frequent contact. Avoid breathing mist or vapours. Use personal protective equipment where required.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: No exposure standards established.

Engineering controls: None required. Normal ventilation adequate.

Personal protective equipment: Protective clothing against splashing or contamination: Chemical resistant gloves (pvc/neoprene) and safety goggles or face shield. Wash hands after use and before eating, drinking, smoking or using toilet.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	Yellow liquid
Odour:	Solvent
pH:	11.7
Boiling point:	Approximately 100°C
Freezing point:	Approximately 0°C
Specific Gravity:	1.06 (20°C)
Solubility in water:	Soluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Incompatible materials: Strong oxidisers.

Hazardous decomposition products: Heating can result in production of sodium ions and silicic acid. In fire, may produce oxides of carbon.

Hazardous reactions: While sodium metasilicate ignites in fluorine, the aqueous formulation makes this highly unlikely.

11. TOXICOLOGICAL INFORMATION

Eye: Very irritating to eyes.

Skin: May cause irritation or permanent damage if not treated promptly. No evidence to indicate product is a sensitiser

Swallowed: May cause irritation of the digestive tract if not treated promptly.

Inhaled: Spray or mist may cause respiratory tract irritation.

Chronic: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful in the aquatic environment.

Mobility, persistence and degradability: Based on sodium metasilicate, expected to be highly mobile in soils and unlikely to adsorb to soils and sediments (estimated $K_{oc} = 35.04$). Unlikely to bioconcentrate in aquatic organisms (sodium metasilicate estimated BCF = 3.162)

13. DISPOSAL CONSIDERATIONS

Dispose of unused or recovered product in accordance with local regulations/requirements. Contact local authorities or a reputable waste disposal company for local requirements.

14. TRANSPORT INFORMATION

Not classified as dangerous goods for transport in accordance with ADG 6.

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15. REGULATORY INFORMATION

None applicable.

16. OTHER INFORMATION

Prepared using information from suppliers of ingredients and publicly available databases.

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