

# Neutralizer Solution

Date of issue: 13 August 2007

## 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:** 14 Solo Crescent, Fairfield NSW 2165  
**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.

**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.

## 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.

**Hazchem:** 2T

## 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

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Yellow liquid
<b>Odour:</b>	Solvent
<b>pH:</b>	11.7
<b>Boiling point:</b>	Approximately 100°C
<b>Freezing point:</b>	Approximately 0°C
<b>Specific Gravity:</b>	1.06 (20°C)
<b>Solubility in water:</b>	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:** No information available for the formulated product. Based on information for the individual components, not expected to be 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.

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## 14. TRANSPORT INFORMATION

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

Hazchem Code: 2T

## 15. REGULATORY INFORMATION

None applicable.

## 16. OTHER INFORMATION

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

Prepared: 13 August 2007

Replaces: 6 April 2006