

Section 1: Identification of the Material and Supplier

Product Name:	Tilewash
Other Names:	Roof Reviver Tilewash
Recommended Use:	Mould and lichen killer
Supplier:	Flexitech Pty Ltd
Address:	93 Kelliher Road, Richlands, QLD, 4077 Australia
Telephone:	+61 7 3375 9888
Fax:	+61 7 3375 9799
Emergency Contact Details:	During working hours (+61 7 3375 9888)
Email:	info@flexitechpl.com.au
Website:	www.flexitechpl.com.au
SDS Revision Date:	21/07/2021

Section 2: Hazards Identification

This product is classified as hazardous according to health criteria of NOHSC Australia.

This product is classified as Dangerous Goods according to the Australian Dangerous Goods Code.

Hazard Classifications:	Skin Corrosion/Irritation Category 1 B
	Metal Corrosion Category 1
	Serious Eye Damage Category 1
	Acute Hazard to the Aquatic Environment Category 1
Signal Word:	Danger
Hazard Statement (S):	
H290	May be corrosive to metals.

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H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Precautionary Statement (s):

Prevention:

P273 Avoid release to the environment.

P280 Wear protective clothing/ protective gloves/eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or a physician.

Section 3: Composition / Information on Components

Main Components	CAS Number	Proportion
Sodium Hypochlorite	7681-52-9	5-15%
Sodium Hydroxide	1310-73-2	<0.5%
Water	7732-18-5	>80%

Section 4: First Aid Measures

Eye:	If in eyes, keep eyelids wide open and flush continuously with running water for at least 15 minutes. Seek medical attention immediately.
Inhalation:	Move affected person into fresh air. If breathing stops apply artificial respiration and obtain prompt medical attention.
Skin:	Remove contaminated clothing and rinse skin with plenty of water. If skin irritation develops, seek medical advice.
Ingestion:	Do not induce vomiting. Rinse the mouth with water and drink small portions of water gradually. Never give anything by mouth to an unconscious patient. Get medical attention immediately.
Notes to physician:	Treat symptomatically.
First Aid Facilities:	Eye wash and safety shower should be available.

Section 5: Firefighting Measures

Hazchem Code:	2X
Specific Hazards:	Heat and acid contamination will produce irritating and toxic fumes. Decomposition may generate toxic fumes of hydrogen chloride and chlorine gas.
Suitable Extinguishing Media:	Water spray or fog, appropriate foam, dry chemical powder and carbon dioxide.
Advice for Firefighters:	Wear full body protective clothing with self-contained breathing apparatus. Thermal decomposition can lead to release of irritating gases

and vapours. Prevent spillage from entering drains or water courses.

Section 6: Accidental Release Measures

Personal Precautions: Use appropriate personal protective equipment.
Ensure adequate ventilation is provided.

Emergency Measures: Transfer personnel to safe areas. Only qualified personnel equipped with suitable protective equipment may intervene. Prevent unauthorised persons entering the zone.

Accidental Release:

Environmental Precautions: Prevent material from entering sewers, waterways, and soil.

Minor Spills: For minor spills, take up with an absorbent material and place in properly labelled containers for disposal.

Major Spills: Use absorbent (soil, sand, or other inert material). Collect and seal in properly labelled containers for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid the formation of mists. Provide adequate ventilation. Wear protective clothing. Do not eat, drink, or smoke while handling. Good personal hygiene procedures should be implemented. Avoid contact with acids and other cleaning agents.

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Storage: Store in a cool, dry, well ventilated area. Store away from sources of heat, ignition and incompatible materials described in section 10 including acids, reducing agents and metals. Keep the containers securely sealed.

Section 8: Exposure Controls / Personal Protection

Exposure Limits

Chemical Name	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Chlorine	7782-50-5	1 peak limitation	3 peak limitation	-	-
Sodium Hydroxide	1310-73-2	-	2 peak limitation	-	-

Note:

TWA (Time Weighted Average) is the average workplace exposure to any hazardous substance or agent for the standard of an 8 hour per day or 40 hours per week work schedule.

STEL (Short-Term Exposure Limit) is the acceptable average exposure over a short period of time usually 15 minutes providing that the time-weighted average is not exceeded.

Engineering Controls: Provide local exhaust ventilation or other engineering controls to maintain the airborne levels of vapours below recommended exposure standard.

Personal Protective Equipment:

Clothing: Wear impervious protective clothing including safety boots, lab coat, apron, or overalls.

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Eye and Face Protection:	Chemical goggles or safety glasses with side shield protection and a face shield.
Hands Protection:	Chemical protective gloves, e.g., PVC should be always worn.
Respiratory Protection:	If inhalation risk exists wear organic respirator which meets the requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9: Physical and Chemical Properties

Appearance:	Clear pale yellow
Odour:	Chlorine
Solubility:	Miscible in water
pH:	>12
Specific Gravity:	1.1
Boiling Point:	100 °C
Flash Point:	Not Applicable
Molecular Formula:	NaOCl

Section 10: Stability and Reactivity

Reactivity:	No dangerous reaction known under normal conditions.
Chemical Stability:	Stable under normal conditions. Unstable in the presence of incompatible materials.
Conditions to Avoid:	High temperatures. Incompatible products.

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Incompatible Materials: Strong oxidizing agents, reducing agents, strong acids, strong bases, ammonia solutions and heavy metals.

Hazardous Decomposition Products: Chlorine, Hydrogen chloride, Sodium oxide.

Section 11: Toxicological Information

Possible Routes of Exposure: Inhalation, skin contact, eye contact, ingestion.

Acute Effects:

Inhalation: In a poor ventilated area, material can be an irritant to mucous membranes and respiratory tract.

Skin: Contact with skin causes irritation, redness, pain, rash, dermatitis, and possible burns.

Eye: Corrosive to eyes. Contact can cause irritation, redness, corneal burn, and possibly permanent damage.

Ingestion: Swallowing can cause nausea, vomiting, diarrhoea, abdominal pain, and chemical burns to the gastrointestinal tract.

Acute Toxicity

Component	LD50 Oral	LD50 Dermal
Sodium hypochlorite	8910 mg/kg (Rat)	10,000 mg/kg (Rabbit)

Chronic Toxicity:

Mutagenicity: No information available.

Carcinogenicity: No information available.

Aspiration Hazard: No information available.

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Reproductive Effects: No information available.

Section 12: Ecological Information

Product Ecotoxicity: This product is Highly toxic for aquatic organisms.
Harmful effect due to the pH shift.

Bio Accumulative Potential: No information available.

Persistence and Degradability: No information available.

Mobility in soil: No information available.

Environment: Ensure proper approaches are considered to stop this product from gaining access to drains, water courses, or soil.

Section 13: Disposal Considerations

Waste Disposal:

Where recycling is possible, material and its container should be recycled. If not, dispose of in accordance with local, state, and federal regulations. Preferably, dispose of wasted and containers in an approved waste disposal facility.

Do not discharge into sewer or waterways.

Section 14: Transport Information

Transport Information: Dangerous goods of class 8 (corrosive) are incompatible with any of the following: class 1, class 4.3, class 5, class 6, class 7; and are incompatible with food and food packaging in any quantity.

UN Number: 1791

Proper Shipping Name: Hypochlorite Solution

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Dangerous Goods Class: 8 (Corrosive Substance)

Packaging Group: III

Hazchem code: 2X

Environmental hazards for Transport: Harmful to aquatic life

Section 15: Regulatory Information

Regulatory Information: Listed in the Australian Inventory of Chemical Substances (AICS).

Poison Schedule: S5

Section 16: Other Information

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Service Registry Number

LD50: Lethal Dose 50

NOHSC: The National Occupational Health and Safety Commission

PVC: Polyvinyl Chloride

STEL: Short-Term Exposure Limit

TWA: Time Weighted Average

UN Number: United Nations Number

Document Information:

This document is compiled by the manufacturer of the product and is based on our current knowledge and information.

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Although the manufacturer has taken all required care to include accurate and up-to-date information in this SDS, it does not guarantee certain properties. It is user's responsibility to observe existing laws and regulations.

Further Information

This SDS supersedes all previous versions. Contact Flexitech to obtain the latest version of SDS.

End of SDS