

Section 1: Identification of the Substance/Mixture and of Supplier

Product name: **STAIN AND SCALE**

Recommended use: Controlling stains and scale build up in swimming pools

Supplier: Space Industries Limited

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Emergency Telephone: 0800 764 766 (all hours)

Date of preparation: March 2021

Section 2: Hazards Identification



Hazard Classification: 8.2C, 8.3A

Section 3: Composition/information on ingredients

Product Description: Controlling stains and scale build up in swimming pools

Hazardous Component(s): PHOSPHONIC ACID

CAS Number: 6419-19-8

Proportion: <50%

Risk Phrases: R34, R41

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

Inhalation: Remove to fresh air. If not breathing seek medical attention.

Skin Contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. .

Eye Contact: Irrigate eyes with generous quantities of water for 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical assistance.

Ingestion: Remove product from mouth. DO NOT induce vomiting. Give a glass of water to

	effectively dilute the product. Seek immediate medical attention.
Notes for the Doctor:	Treat symptomatically.
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	This is non-flammable, but in a large fire will decompose when water has boiled off, producing phosphine. This is a highly flammable and very toxic gas. Phosphorus oxide fumes may also be produced.
Suitable Extinguishing Media:	Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder.
Fire-fighting advice:	Keep containers cool by spraying with water to prevent build-up and drum bursting. Fire fighters should wear a self contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.

Section 6: Accidental Release Measures

Emergency Procedures	Avoid accidents, clean up immediately. Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination.
Methods and Materials for Containment and Clean Up	Dike and neutralize with soda ash. Absorb with dry earth, sand or other similar material, shovel up and dispose of in an area approved by local authority by-laws. May be safely mopped up and area washed with excess water. Prevent run-offs into drains and waterways.

Section 7: Handling and Storage

Handling:	<ul style="list-style-type: none"> Use in a well ventilated area, a suitable respiratory device should be worn if mist generation is significant. Remove drum bung slowly to release any internal pressure. Ensure an eye bath is available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Store away from foodstuffs. Avoid eye and skin contact.
Storage:	<ul style="list-style-type: none"> Store in a cool, dry place away from alkalis, poisons, foodstuffs and oxidising agents (eg chlorates and nitrates). Corrosive to most metals Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).
Engineering Control Measures:	Use in a well ventilated area, a suitable respiratory device should be worn if mist generation is significant.

Personal Protective Equipment:	Avoid contact. Protective clothing. Full face shield or close fitting goggles. PVC or rubber gloves Respirator suitable for use with mists and aerosols.
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Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Clear
Boiling/melting Point:	No information available
Specific Gravity/Bulk	S.G. 1.15 @ 25°C
Vapour Pressure:	No information available.
Flash Point (°C):	No information available.
Percent Volatilise:	50% (water)
Flammability Limits:	No information available.
Autoignition Temperature:	No information available.

Section 10: Stability and Reactivity

Stability:	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Corrosive to most metals (eg mild steel, aluminium) and will attack them to liberate hydrogen, a flammable potentially explosive gas.
Hazardous Decomposition Products:	This is non-flammable, but in a large fire will decompose when water has boiled off, producing phosphine. This is a highly flammable and very toxic gas. Phosphorus oxide fumes may also be produced

Section 11: Toxicological Information

Ingestion:	Irritating and corrosive to all tissues. Ingestion can result in nausea, vomiting and abdominal pain Acute oral LD50 in rats >10g/kg
Eye contact:	Severe eye irritant. Can cause burns and eye injury.
Skin contact:	The product is corrosive to the skin causing irritation and burns.
Inhalation:	Mist is very irritant to the respiratory tract.

Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways. High concentrations in receiving waters will harm aquatic life due to the effect of low pH.
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Section 13: Disposal Considerations

<ul style="list-style-type: none"> • Recycle wherever possible. • Consult approved Waste Management Company for disposal options.

Section 14: Transport Information

Road and Rail Transport: UN No: Class-primary Packing Group: Proper Shipping Name: Hazchem Code:	Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land. 3265 8 III CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S (PHOSPHONIC ACID) 2X
Marine Transport: UN No: Class-primary Packing Group: Proper Shipping Name:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS 3265 8 III CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S (PHOSPHONIC ACID)

Section 15: Regulatory Information

Classification:	6.1D (oral), 8.1A, 8.2C, 8.3A, 9.1D (other), 9.3C
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Section 16: Other Information

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