SAFETY DATA SHEET

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

Product name:	**O2 Shock**
Space Names:	**O2 SHOCK - Product Codes CYO2S01 and O2S01**
Recommended use:	Non chlorine shock treatment for spas and pools
Supplier:	Space Industries Limited
Street Address:	160 Plunket Ave, Wiri, Auckland New Zealand
Telephone Number:	+ 64 9 262 3902
Facsimile:	+ 64 9 262 3948
E-mail:	orders@spaceindustries.co.nz
Website:	www.spaceindustries.co.nz
Emergency Telephone	0800 764 766 (all hours)
Date of preparation	November 2023
HSR Approval Code:	HSR002632 Oxidising Corrosive Substances Group Standard

Section 2: Hazards Identification

Pictograms	

Hazard Classification	Hazardous according to the criteria of the Glogally Harmonised System of Classification and Labelling of Chemicals	
Hazard Categories	Oxidising Solid	Cat 3
	Acute Toxicity Inhalation	Cat 4
	Serious Eye Damage/Irritation	Cat 1
	Skin Corrosion/Irritation	Cat 1C
Signal Word	Danger	
Hazard Statements	H272 May intensify fire; oxidiser	
	H302 Harmful if Swallowed	
	H332 Harmful if Inhaled	
	H314 Causes Skin Burns and Eye Damage	
	H318 Causes Serious Eye Damage	
Precautionary Statements	P260 Do not breath dust	
	P262 Do not get in eyes, on skin, or on clothing	
	P264 Wash hands thoroughly after handling	
	P270 Do not eat drink or smoke while using this product	
	P280 Wear protective gloves/protective clothing/eye protection/face	

Section 3: Composition/information on ingredients

Product Description:	Non chlorine shock treatment		
Component(s):	POTASSIUM PEROXYMONOSULFATE	70693-62-8	75%
	SODIUM CARBONATE	497-19-8	25%

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

IF INHALED: Remove to fresh air and keep in a position comfortable for breathing. Seek medical attention.

IF SWALLOWED: Rinse mouth, do not induce vomiting. Call the POISON CENTER or doctor if you feel unwell

IF ON SKIN (or hair): Remove all contaminated clothing rinse skin with water/shower. If skin irritation occurs seek medical attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention

For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

Section 5: Fire Fighting Measures

Specific Hazards:	May intensify fire, oxidiser.
Suitable Extinguishing Media:	Extinguish fires with water spray.
Fire-fighting advice:	Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment. Will release oxygen when heated, intensifying a fire. Acidic mist may be present

Section 6: Accidental Release Measures

Emergency Procedures	Keep spectators away – rope off the area. 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	Clean-up personnel should wear full protective clothing. Carefully scoop up or shovel up uncontaminated product for re-use. Sweep up contaminated material and dispose of at an approved hazard waste facility. Wash area down with water. Do not incinerate – the by product can be hazardous.

Section 7: Handling and Storage

Handling:	• Do not breath dust • Do not get in eyes, on skin, or on clothing

Storage:	• Wash hands thoroughly after handling • Do not eat drink or smoke while using this product • Wear protective gloves/protective clothing/eye protection/face • Keep only in original container. • Store in a cool, dry, well-ventilated area. • Keep containers tightly closed when not in use.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:	Work safe TWA: None established AEL (dupont): 1mg/m3 – 8hr TWA TLV (ACGIH): None established PEL (OSHA): Particulates not otherwise regulated : 15mg/m3 – 8hr – total dust : 5 mg/m3 – 8hr TWA respirable dust.
Engineering Control Measures:	Use in well ventilated area. Avoid breathing in vapours or dust. Avoid contact with eyes, skin or clothing. Wash hands and face thoroughly after handling and before work breaks.
Personal Protective Equipment:	Chemical goggles PVC, neoprene or nitrile rubber gloves Appropriate protective clothing. Where is a potential for airborne exposure, wear approved respiratory protection. Respirators should comply with AS1716 or an equivalent.

Section 9: Physical and Chemical Properties

Physical state:	Granular, free flowing solid
Colour:	White
Odour:	Odourless
Boling Point:	@ 760mm Hg Decomposes
Specific Gravity/Bulk	1.1 -1.4
Vapour Pressure:	Nil
Flash Point (°C):	None
Percent Volatilise:	Less than 5% at 100°C
Flammability Limits:	Not available
Autoignition Temperature:	Not available
Solubility in water:	25.6 WT% @ 20ºC
pH:	2.3 @1% solution

Section 10: Stability and Reactivity

Stability:	Product is stable under normal conditions of use, storage and temperature. The product is soluble in water.
Incompatibility with other chemicals:	The mixture of O2 Shock with compounds containing halides or active halogens (bromine, chlorine, iodine) can cause the release of the respective halogen gas, if moisture is present. Avoid these gases (bromine and chlorine) because they are very irritating to eyes and

	lungs even at low concentrations. Never mix concentrated O2 Shock with dry or concentrated bromine-containing chemicals, such as bromates, bromides or any concentrated bromine pool chemicals. Mixing concentrated O2 Shock with dry or concentrated chlorine-containing chemicals, such as hypochlorites ("Hypo" for pools), sodium dichloroisocyanurate (dichlor), sodium trisocyanurate (trichlor) or sodium chloride (salt), may cause the release of chlorine gas. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper or manganese can cause decomposition with release of oxygen and heat.

Section 11: Toxicological Information

Ingestion:	Harmful if swallowed. Effects may include gastritis and possibly progressing to necrosis or hemorrhage with large overexposures.
Eye contact:	Causes serious eye damage
Skin contact:	Causes skin damage
Inhalation:	Inhalation of mist, dust or dried residue may cause irritation of the upper respiratory passages with coughing and discomfort.

Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways. 96 hour LC50 – Rainbow trout: 53mg/L 48 hour RC50 – Daphnia magna: 3.5mg/L

Section 13: Disposal Considerations

- Recycle wherever possible. Special hazard may exist - specialist advice may be required.
- Consult approved Waste Management Company for disposal options.
- Treat and neutralise residue at an approved site.
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

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Section 14: Transport Information

Road and Rail Transport:	Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No:	3215
Class-primary	5.1
Packing Group:	lll
Proper Shipping Name:	Persulfates Inorganic N.O.S
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Marine Transport:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS
UN No:	3215
Class-primary	5.1
Packing Group:	lll
Proper Shipping Name:	Persulfates Inorganic N.O.S

Section 15: Regulatory Information

Classification:	HSR002632 Oxidising Corrosive Substances Group Standard

Section 16: Other Information

.Issue Date: June 2025

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