

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

Product name:	CAUSTIC SODA
Recommended use:	
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:	11 April 2017

Section 2: Hazards Identification



HSNO Classification:	8
Hazard Classification:	6.1D (oral), 6.1A (dermal) , 8.1A, 8.2B, 8.3A, 9.1D (fish), 9.1D (crustacean)

Section 3: Composition/information on ingredients

Product Description:	White odourless, pearl
Components	Sodium Hydroxide
CAS Number	1310-73-2
Proportion	99.0 – 99.7%
Risk Phrases	R22, R27, R34, R41, R51, R53

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing..
Skin Contact:	Remove/take off Immediately all contaminated clothing. Rinse skin with water/shower. Ensure all contaminated clothing is removed and washed thoroughly.
Eye Contact:	Irrigate with copious quantities of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Seek immediate medical attention. Urgently seek medical assistance.

Ingestion:	Immediately remove product from the mouth. Rinse mouth, DO NOT induce vomiting. Give a glass of water to effectively dilute the product. Contact a Doctor or the Poisons Information Centre (0800 764 766) for further advice
Notes to Doctor:	Harmful if swallowed Corrosive to eyes. May cause severe and permanent damage. Skin contact will cause severe burns. If inhaled – capable of causing irritation if dusty.
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	Non combustible
Suitable Extinguishing Media:	Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder.
Fire-fighting advice:	Not combustible, however the packaging material may burn to emit noxious fumes. Attending fire fighters should keep upwind if possible and wear self-contained breathing apparatus to minimize risk of exposure to vapour or product of combustion. The product is strong alkaline and reacts extremely with acids.

Section 6: Accidental Release Measures

Procedures to be covered:	Wear protective equipment to prevent skin and eye contact and breathing in dust. As the product can cause eye irritation, safety glasses or goggles must be worn. Use rubber gloves, also boots and lightweight protective clothing. Carefully scoop up or shovel up uncontaminated product for re-use. Sweep up, avoiding generation of dust, contaminated material and dispose of in an area approved by local authority by-laws. Residues may be safely flushed to drain, if permitted. Incineration of disposed material is not recommended as it is unlikely to adequately burn.
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Section 7: Handling and Storage

Handling:	Keep out of reach of children. Read label before use. Wear full protective clothing to avoid splashes. No smoking.
Storage:	Store in a cool dry place. Store locked up. Store away from foodstuffs Store in corrosive resistant containers.

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.
Personal Protective Equipment:	Wear full protective clothing to avoid splashes. As product can cause eye irritation, safety glasses or goggles must be worn.

	The use of rubber gloves, also boots and lightweight protective clothing is recommended. Wash contaminated clothing and other protective equipment before storage or re-use
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Section 9: Physical and Chemical Properties

Physical state: Colour: Odour: Solubility: Specific Gravity/Bulk Density: Vapour Pressure (20 °C): Flash Point (°C): Strength:	powder White odourless Soluble in water 20°C 2.13 g/cm ³ 1150 kg/m ³ Not available Not available 99.0 – 99.7%
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Section 10: Stability and Reactivity

Conditions to avoid: Incompatible materials:	The product is strong alkaline and reacts extremely with acids. In contact with light metals or Zn it produces hydrogen gas, which forms with air detonating gas. The product is corrosive to Al and Zn. It also attacks alloys containing copper, lead and silicate.
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Section 11: Toxicological Information

Potential acute health effects

Ingestion: Eye contact: Skin contact: Inhalation:	Causes severe burning and corrosion to the mucous membranes and tissues of the mouth, throat and stomach. Corrosive to eyes. Can cause severe eye damage. Skin contact will cause severe chemical burns. Can produce respiratory irritation and may cause damage of the upper respiratory tract and lung tissues.
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Section 12: Ecological Information

Environmental fate, persistence and degradation: Aquatic toxicity: Terrestrial toxicity:	Avoid contaminating waterways. Fish LC50 (96h) 43mg/l
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Section 13: Disposal Considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.
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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:	1823
Class-primary	8
Packing Group:	II
Proper Shipping Name:	Sodium Hydroxide
Hazchem Code:	2R
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:	1823
Class-primary	8
Packing Group:	II
Proper Shipping Name:	Sodium Hydroxide

Section 15: Regulatory Information

HSNO Classification:	8
Hazard Classifications:	6.1D (oral), 6.1A (dermal) , 8.1A, 8.2B, 8.3A, 9.1D (fish), 9.1D (crustacean)

Section 16: Other Information

.Issue Date: 11 April 2017
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