




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

Product name	MIRACLE
Recommended use:	Laundry – Disinfectant/Sanitizer – Hospital grade
Supplier:	Space Industries Limited
Street Address:	160 Plunket Ave, Wiri, Auckland New Zealand
Telephone Number:	+ 64 9 262 3902 + 64 9 262 3948
Facsimile:	orders@spaceindustries.co.nz
E-mail:	www.spaceindustries.co.nz
Website:	0800 764 766 (all hours)
Emergency Telephone:	August 2013
Date of preparation:	

Section 2: Hazards Identification

		
ERMA Approval Code: HSR002526		
Hazard Classification: 6.1B, 6.5B, 8.1A, 8.2B, 8.3A, 9.1A, 9.3B		

Section 3: Composition/Information on ingredients

Product Description:	Disinfectant/Sanitizer – Hospital grade Pale yellow Liquid with a slight chlorine odour
Hazardous Components / CAS Number	Sodium Hypochlorite 15% 30 - 50%
Risk Phrases	R34, R41, R51/53

Section 4: First Aid Measures

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call the Poison Centre (0800 764 766) or a Doctor.
Skin Contact:	Remove/take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed - Rinse mouth. DO NOT induce vomiting.



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Ingestion:	Give a glass of water. Contact a Doctor or the Poisons Information Centre (0800 764 766) for further advice.
Notes to physician:	If swallowed - causes severe burning and corrosion to the mucous membranes and tissues of the mouth, throat and stomach. Corrosive to eyes. Can cause corneal burns. Skin contact will cause moderate irritation. Corrosive on contact with moist skin and will cause burns. If inhaled - mist vapour can produce respiratory irritation and may cause damage of the upper respiratory tract and lung tissues. For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

Specific Hazards:	Non combustible, however, the packaging material may burn to emit noxious fumes.
Suitable Extinguishing Media:	Not combustible, however, if material is involved in a fire use Water fog (or if not available, fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)
Fire-fighting advice:	Decomposes on heating emitting toxic fumes, including those of chlorine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition
Hazchem Code:	2 (X)

Section 6: Accidental Release Measures	Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency. Slippery when wet. Clean up immediately. Absorb with dry earth, sand or a similar material. Shovel up and dispose of in an area approved by local authority by-laws. Residues may be safely flushed to drain, if permitted. Wash area down with excess water Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation.
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Section 7: Handling and Storage	Handling: Avoid skin and eye contact. Keep out of reach of children.	Storage: Store locked up in a well ventilated area. Store in a cool place out of direct sunlight, away from boilers, heaters and hot pipes. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use. Check regularly for spills.
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Section 8: Exposure Controls/Personal Protection	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).	Occupational Exposure Limits:
	Use in a well ventilated area.	Engineering Control Measures:
	Wear full protective clothing to avoid splashes.	Personal Protective



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Equipment:

As product can cause eye irritation, safety glasses or goggles must be worn.
 The use of rubber gloves is recommended.
 Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Pale yellow
Odour:	Slight Chlorine
Solubility:	Miscible in water
Percent Volatilise:	95.5% at 100°C
Specific Gravity:	S.G. 1.06
Flash Point:	None
Flammability Limits:	None
pH 1% w/v:	12.0
Autoignition Temperature:	There is no fire hazard from this product or any of its ingredients

Section 10: Stability and Reactivity

Stability:	The product is not stable – the amount of available chlorine diminishes. Cool storage prolongs viability.
Avoid:	Do not pour undiluted product directly on to clothes – dilute first.
Incompatible materials:	Incompatible with acids, metals, metal salts, peroxides, reducing agents, and ethylene, diamine tetracetic acid.
Hazardous decomposition products:	Chlorine.
Hazardous reactions:	None known.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:	
Ingestion:	If swallowed - causes severe burning and corrosion to the mucous membranes and tissues of the mouth, throat and stomach.
Eye contact:	Corrosive to eyes. Can cause corneal burns and permanent damage.
Skin contact:	Skin contact will cause moderate irritation. Corrosive on contact with moist skin and will cause burns.
Inhalation:	If inhaled – mist vapour can produce respiratory irritation and may cause damage of the upper respiratory tract and lung tissues.
Long term effects:	No information available
Toxicological Data:	No information available.



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Section 12: Ecological Information

Environmental fate, Persistence and degradation:
 Avoid contaminating waterways.
 This material is biodegradable.

Aquatic toxicity:
 Very toxic to aquatic organisms. Fish, crustacean & algal

Terrestrial toxicity:
 Expected to be harmful to terrestrial species

Section 13: Disposal Considerations

Refer to Waste Management Authority.
 Dispose of material through a licensed waste contractor.
 Flush to drain with large quantities of water.

Section 14: Transport Information

Road and Rail Transport: UN No: 2922 Class-primary: 8 Corrosive Packing Group: III Name: Corrosive liquids, toxic, N.O.S (contains Sodium Hypochlorite)	Marine Transport: UN No: 2922 Class-primary: 8 Corrosive Packing Group: III Name: Corrosive liquids, toxic, N.O.S (contains Sodium Hypochlorite)
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Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS

Section 15: Regulatory Information

Hazard Classification: 6.1B, 6.5B, 8.1A, 8.2B, 8.3A, 9.1A, 9.3B

Section 16: Other Information

Issue Date: August 2013

Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.