Material Safety Data Sheet

Infosafe No™. SEPG5 Issue Date: July 2013 ISSUED by SEPTONE CS: 1.7.2

Product Name: **RAPID BLEACH 4%**

Classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name	RAPID BLEACH 4%
Product Code	818601, 818602
Product Use	Powerful laundry and household bleach cleaner and sanitiser.
Company Name	ITW AAMTech (Septone) (ABN 63 004 235 063)
Address	44 Aquarium Avenue HEMMANT QLD 4174
Emergency Tel.	Business hours only: 1800 000 945 or New Zealand Poisons Information Centre 0800 764 766
Telephone Number/Fax	Tel: (07) 3390 5044 Fax: (07) 3390 5041
Email	general@septone.com.au (For NZ customers other than in emergencies. Your supplier can be contacted)
Other Information	The information herein is, to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control, Septone does not accept liability for any damages resulting from the use of, or reliance on, this information, in inappropriate contexts.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Liquid
Information on Composition	This product contains a minimum of 40 g/L (4.0% w/v) available chlorine as Sodium Hypochlorite, when packed.

Ingredients

Name	CAS	Proportion	Hazard	R Phrase
Water	7732-18-5	60-100 %		
Sodium hypochlorite	7681-52-9	0-10 %	C, N	R31, R34, R36/38, R50
Ingredients determined not to be hazardous	-	0-10 %		

3. HAZARDS IDENTIFICATION

Sensitization of Product	Very toxic to aquatic organisms. This product is not considered to be a skin or respiratory sensitiser.
Reproductive Toxicity	This product is not considered to be toxic to the unborn foetus.
Mutagenicity	This product is not considered to be mutagenic.
	This product is not considered to be carcinogenic.

Carcinogenicity	
Chronic Effects	No known chronic effects.
Inhalation	Spray mists are irritating to the nose, throat and respiratory tract.
Ingestion	Causes moderate irritation to the mouth, throat and digestive tract with pain, inflammation and vomiting. Systemic effects include fall in blood pressure, delirium and coma.
Skin	Moderate skin irritant. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Moderate eye irritant. May cause permanent damage to the eyes.

4. FIRST AID MEASURES

Inhalation	Remove the victim from the source of exposure. If the victim is not breathing, apply artificial resuscitation. For all but the most minor symptoms, seek medical attention.
Ingestion	Do NOT induce vomiting. Give water to drink. Seek immediate medical attention.
Skin	Remove contaminated clothing and launder before re-use. Wash affected skin thoroughly with soap and water. If swelling, blistering, redness or irritation occurs, seek medical attention.
Eye	Hold the eyes open and flush with water for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities	A safety shower and an eye irrigation facility should be provided. This Material Safety Data Sheet should be provided to the attending medical doctor.
Advice to Doctor	Treat symptomatically. Do not use acid antidotes in the treatment of sodium hypochlorite poisoning. Sodium thiosulphate immediately reduces hypochlorite to non-toxic products, but may produce hydrogen sulphide in contact with acid.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Firefighters should fight any fires with dry chemical, carbon dioxide, vaporising liquid or foam extinguishers or water delivered in a fine spray or fog, if available.
Specific Methods	This product is not flammable under the conditions of use and does not support combustion.
Specific Hazards	Upon heating or upon contact with acids, this product may emit toxic fumes, including chlorine gas which has a TLV of 1 ppm; 3 mg/m^3 - peak exposure.
Protective Equipment	If this product is involved in a fire, firefighters should wear self-contained breathing apparatus as well as PVC gloves and chemical goggles.
Flash Point	This product will not flash and does not support combustion.
Flammability	This product is not flammable under the conditions of use and does not support combustion.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Personnel involved in cleaning up any spills are to wear PVC gloves and safety goggles. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth. Collect and transfer to plastic containers for disposal if possible. Otherwise, neutralise slowly using either sodium metabisulphite or sodium thiosulphate and a large excess of water. Dispose of the neutralised material through controlled access to the effluent system.

7. HANDLING AND STORAGE

Store in plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs, other oxidising agents and acids. Store and transport in an upright container. Containers must be carefully vented to release any pressure build-up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No value assigned by NOHSC for sodium hypochlorite.
Personal Protective Equipment	Wear PVC gloves and chemical goggles. An acid resistant respirator complying with AS/NZS 1715 and AS/NZS 1716 is recommended if spray mists are produced during use. It is recommended that a shirt with long sleeves and long trousers be worn. Always wash skin and clothing after using this product.
Eng. Controls	Natural ventilation should be adequate under normal conditions of use. Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pale yellow mobile liquid, distinctive hypochlorite odour.
Boiling Point	100°C
Solubility in Water	Complete
Specific Gravity (H2O=1)	1.075 @ 25°C
pH Value	12.0
Evaporation Rate	As for Water
Volatile Component	94% w/w
Flash Point	This product will not flash and does not support combustion.
Flammability	This product is not flammable under the conditions of use and does not support combustion.

10. STABILITY AND REACTIVITY

Stability	This product is stable, however it decomposes on exposure to heat or light.
Hazardous Polymerization	This product will not polymerise.
Materials to Avoid	This product is incompatible with strong acids, metals, metal salts, peroxides and other oxidising agents and with reducing agents.

11. TOXICOLOGICAL INFORMATION

Inhalation	Spray mists are irritating to the nose, throat and respiratory tract.
Ingestion	Causes moderate irritation to the mouth, throat and digestive tract with pain, inflammation and vomiting. Systemic effects include fall in blood pressure, delirium and coma.
Skin	Moderate skin irritant. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Moderate eye irritant. May cause permanent damage to the eyes.
Chronic Effects	No known chronic effects.
Reproductive Toxicity	This product is not considered to be toxic to the unborn foetus.
Mutagenicity	This product is not considered to be mutagenic.

Carcinogenicity	This product is not considered to be carcinogenic.

12. ECOLOGICAL INFORMATION

Short Summary of Assessment of Environmental Impact	Sodium hypochlorite is not stable in water or in soil in the presence of organic material, and is rapidly decomposed by heat and light. Due to the rapid reactions with other substances, the inherent toxicity of hypochlorite, with EC/LC50 values below 1 mg/L, is of little, if any, relevance for aquatic environments. Sodium hypochlorite does not accumulate in the food chain. However, the undiluted untreated material should be prevented from entering waterways.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle or dispose of in accordance with prevailing regulations, preferably using a recognised waste contractor. For spillages, collect and transfer to plastic containers for disposal as above if possible. Otherwise, neutralise slowly using either sodium metabisulphite or sodium thiosulphate and a large excess of water. Dispose of the neutralised material through controlled access to the effluent system. Spent solutions may also be disposed of by dilution with water followed by access to the effluent system.
Container Disposal	Empty containers may be recycled.

14. TRANSPORT INFORMATION

	Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
IMO Marine Pollutant	This product is not considered by IMO to be a Marine Pollutant.

15. REGULATORY INFORMATION

Risk Phrase	R50 Very toxic to aquatic organisms.
Safety Phrase	S1/2 Keep locked up and out of reach of children. acids. S28 After contact with skin, wash immediately with plenty of S45 In case of accident or if you feel unwell seek medical advice immediately S50 Do not mix with S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
Poisons Schedule	Not Scheduled
Hazard Category	Dangerous for the environment
AICS (Australia)	All components of this product are listed on AICS.

16. OTHER INFORMATION

Contact Person/Point	Technical Manager (07) 3390 5044
Poisons Schedule	Not Scheduled
Hazard	Dangerous for the environment

Category

...End Of MSDS...