

Material Safety Data Sheet

1. Product and Company Identification

Product Name: SARAClean
Trade Name: SARAClean
Revision Date: 11/05/2010
Company Name: Chemisys Ltd
Address: P. O. Box 40480
Glenfield
Auckland
Phone 021 989229, 09 4768603

Hazardous according to the criteria of HSNO and ERMA

Oxidising [5.1.1] Substances Group Standard 2006

HSNO Approval Number HSR002631

2. Composition/Information on Ingredients

Hazardous according to the criteria of HSNO and ERMA

Chemical Name	CAS #	Proportion	EU Classification
Sodium Carbonate/Sulphate	[497-19--8]	10-<30%	Xi; R36, R37, R38
Disodium peroxydicarbonate	[15630-89-4]	to 100%	Xi; R36

Notes on EU Symbols: Xi Irritant

HSNO Hazard Classification: 5.1.1B 6.1E 6.4A 6.3A 9.1D 9.3C

3. Hazards Identification

Irritating to eyes and skin. 1% aqueous solution is non-irritant

HSNO Hazard Classification: 5.1.1B 6.1E 6.4A 6.3A 9.1D 9.3C

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

Ingestion:

May irritate gastrointestinal tract. If ingested decomposition may occur in the stomach leading to the production of oxygen gas. Give water to drink and rinse out the mouth with water. DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.

Inhalation:

Remove victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Get medical attention IMMEDIATELY.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.

Note to doctor:

Treat symptomatically. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis.

5. Fire-Fighting Measures

Flash Point:

Is not combustible, and therefore will not burn.

Extinguishing Media:

In case of fire, appropriate extinguishing media is water only. Do NOT use dry chemical, carbon dioxide or halon.

Unusual Fire and Explosion Hazards:

When exposed to moisture or subjected to heat from combustion of other material, will decompose to liberate oxygen. This may cause other materials to burn more fiercely. Under confinement may cause pressure bursts due to release of gases of decomposition.

Other:

Product is an oxidising solid

Hazchem: 1Y

6. Accidental Release Measures

Steps to be taken if material is released or spilled:

Contain spillage. Dilute small quantities with water and flush to drain. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

7. Handling and Storage

Handling:

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practises. Sensitive individuals may develop skin irritation on prolonged or repeated contact. Wash hands thoroughly after contact.

Storage:

Store in a cool, dry place out of reach of children. Maximum storage temperature 35 degrees Celsius. Seal packs when not in use. Store away from incompatible materials including heavy metals, reducing agents, acids, bases, combustibles, organic materials and sources of ignition. Protect from direct sunlight, moisture and static discharges. This product has a UN classification of 3378 and a Dangerous Goods Class 5.1 (oxidizer) according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

8. Exposure Controls/Personal Protection

Ventilation Requirements:

Ventilate via mechanical methods (general or local exhaust) to maintain exposure below 5mg/m³. Good industrial hygiene practise dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

Respiratory Protection:

None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator.

Eye Protection:

If accidental eye contact is possible then wear goggles or a face visor.

Skin Protection:

Unnecessary skin contact should be avoided and good personal hygiene practises observed. If skin contact is anticipated then protective clothing including impervious gloves should be worn.

9. Physical and Chemical Properties

Appearance:	White free flowing powder.
Odour:	Nil
PH Range:	9.0-10.0 (3% Solution)
Specific Gravity:	1.0 @ 20 degrees Celsius
Solubility in Water:	150g/litre @ 20 degrees Celsius
Flash Point:	N/A

10. Stability and Reactivity

Stability:	Stable under ambient temperature to 35 degrees Celsius
Incompatibility:	Acids, alkalis, reducing agents, oxidising agents, rust, transition metals and their compounds (such as iron, copper, brass, bronze, cobalt, nickel, lead) as well as organic and combustible materials.
Hazardous Decomposition Products:	Liberates oxygen which will support combustion. Evolves steam and liberates heat. Decomposition in the presence of organic materials can be rapid and highly exothermic.
Hazardous Polymerisation:	Will not occur

9. Toxicological Data

Eyes:

Can cause severe irritation, redness, tearing, and blurred vision.

Ingestion:

Acute Toxicity (Rat): Oral LD50 1.9-3g/kg Designed for use as a 1% aqueous solution. Can cause gastro-intestinal irritation, nausea, vomiting, and diarrhoea.

Inhalation:

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility.

Skin:

Prolonged or repeated contact may result in itching, defatting, dermatitis or more serious skin disorders.

12. Ecological Information

Hazard:

N/A

Mobility:

N/A

13. Disposal Considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Dispose of product and container responsibly and carefully.

Do not dispose of near waterways, down drains or into soil.

14. Transport Information

Classified as hazardous for transport (ADG, UN, IATA/ICAO) Consumer commodity load maximum quantity per inner packaging 500gm.

New Zealand Classifications:

UN Number: 3378

HAZCHEM Code: 1Y

Dangerous Goods Class 5.1

Packaging Group: II

15. Regulatory Information

New Zealand Classifications:

UN Number: 3378

HAZCHEM Code: 1Y

Dangerous Goods Class 5.1

Packaging Group: II

EC Labelling: Xi; R36, R37, R38 Irritating to eyes, respiratory system and skin

S22 Do not breathe dust

S24/25 Avoid contact with eyes and skin

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

NZ Labelling:

The label must provide the following general information about the substance:

(a) the product name; and

- (b) enough information to enable the New Zealand importer, supplier or manufacturer to be contacted, either in person or by telephone; and
- (c) a 24 hour emergency telephone number
- (d) directions for use, including, where relevant, dilution rates and dose rates.
- (e) the general precautionary statements-

Read label before use

Keep out of reach of children

Avoid contact with eyes and skin

Avoid breathing dust

Wash hands and skin thoroughly after handling

Avoid release to the environment

- (f) the following response statements-

If medical advice is needed, have product container or label at hand.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell

IF ON SKIN: Wash with plenty of soap and water. If skin irritation persists, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.

- (g) The label must provide the following hazard information about the substance:
 - the signal word '**Danger**';
 - the GHS pictogram for a HSNO 5.1.1 substance;



And

the GHS pictogram;



- the hazard statement '**may intensify fire, oxidiser**'
- the hazard statement '**May be harmful if inhaled**'
- the hazard statement '**Causes eye and skin irritation**'
- the hazard statement '**harmful to terrestrial vertebrates**'

(h) Disposal Statement-- '**Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.**'

(i) The following composition information—

Chemical Name	CAS #	Proportion	EU Classification
Sodium Carbonate/Sulphate	[497-19--8]	10-<30%	Xi; R36, R37, R38
Disodium peroxydicarbonate	[15630-89-4]	to 100%	Xi; R36

(j) the following transport information:

Classified as hazardous for transport (ADG, UN, IATA/ICAO)

UN Number:	3378
HAZCHEM Code:	1Y
Dangerous Goods Class	5.1
Packaging Group:	II

Other Statutory Requirements:

Material Safety Data Sheet Regulations for This Substance

(1) A person, when selling or supplying this substance at any quantity shall provide a safety data sheet for this substance supplied to the recipient if—

- (a) the substance is likely to be used in a place of work; and
- (b) they have not previously supplied a safety data sheet for this substance to the recipient.

(2) In each place of work where this substance is manufactured, stored or used, the person in charge of the place must ensure that every person handling the substance has access to a safety data sheet for that substance.

(3) The safety data sheet must be available to a person handling this substance within 10 minutes, and be readily understandable by any fully trained worker required to have access to it.

(4) A person who manufactures or supplies this substance in New Zealand or imports this substance into New Zealand must, if asked to do so by any person in charge of a place of work where this substance is stored or used, give that person the required safety data sheet.

16. Other Information

Compiled by:
Chemisys Ltd

P. O. Box 40480
Glenfield
Auckland
New Zealand

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Chemisys Group shall not be responsible for any damage of injury resulting from abnormal use of this material,

from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.