



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date : May 2003

Product Name : SODIUM CARBONATE

Other Names : SODA ASH SODIUM CARBONATE, ANHYDROUS

Uses : Cleaner for removing 'brown film' off wine tanks and equipment.

Organisation	Location	Telephone	Ask For
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61 2 97333000	Technical Officer
	318D Ti Rakau Drive East Tamaki New Zealand	+64 9 2732777	
		131126	
Poisons Information Centre	Westmead NSW Australia	1800-251525	
Chemcall	Australia	1800-127406	
	New Zealand	0800-243622	
National Poisons Centre	New Zealand	0800-764766	

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

IRRITANT

Risk Phrases

R36 Irritating to eyes.

Safety Phrases

S2 Keep out of the reach of children.

S22 Do not breathe dust.

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

ERMA New Zealand Approval Code : No Data

HSNO Hazard Classification : No Data

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance. The ERMA website www.ermanz.govt.nz should be consulted for a full list of triggered controls and cited regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportions (%)
SODIUM CARBONATE	[497-19-8]	30-80
SODIUM CARBONATE PEROXYHYDRATE	[15630-89-4]	10-30
SURFACTANTS	Various	<10
PROTEOLYTIC ENZYMES	[1395-21-7]	<10
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		to 100

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed

Do NOT induce vomiting. Rinse mouth with water and give water to drink provided victim is conscious. Seek urgent medical attention.

Eye

Hold eyelids apart and flush with running water for at least 15 minutes. Seek medical attention.

Skin

Remove contaminated clothing. Flush skin with running water. If pain or redness persists, see a

doctor.

Inhaled

Remove from exposure to fresh air. Seek medical attention.

Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor. Treat symptomatically for an alkaline powder.

Additional Information

Aggravated medical conditions caused by exposure

Prolonged exposure can lead to drying of skin and may lead to dermatitis.

5. FIRE FIGHTING MEASURES

Extinguishing Media

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

Hazards from Combustion Products

Non combusttible. If in a fire may decompose on heating and produce fumes of phosphorous oxides, oxygen and carbon dioxide.

Special protective precautions and equipment for fire fighters

Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

Flammability Conditions

Product is non-flammable.

Additional Information

Hazchem Code : N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures

Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority.

Methods and materials for containment and clean up

Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for disposal. Minor amounts can be washed away with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure an eye bath and safety shower are available and ready for use. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibles

Store in a cool, dry, well-ventilated area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Store away from incompatible materials. Not defined as Dangerous Goods by the Australian Dangerous Goods Code.

Container Type

No information available on container types for this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC). However, the exposure standard for dust not otherwise specified is 10mg/m³ (for inspirable dust) and 3mg/m³ (for respirable dust).

Biological Limit Values

No information available on biological limits for this product.

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection

RESPIRATOR: Where engineering controls are inadequate, wear an NIOSH approved respirator. EYES: Use safety glasses. HANDS: Rubber gloves. CLOTHING: Standard work uniform/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white free flowing powder
Formula	Unspecified.
Odour	very faint chalky odour
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Boiling Point	N/A deg C
Melting Point	N/A deg C
Solubility in water	Soluble
Specific Gravity	N/A (Water = 1)
Flash Point	 Not Applicable
pH	10.7 (1% solution)
Flammability Limits (as percentage volume in air)	
Lower Explosion Limit	Not Applicable
Upper Explosion Limit	Not Applicable
Ignition Temperature	Not Applicable
Specific Heat Value	Not Applicable
Particle Size	Not Applicable
Volatile Organic Compounds (VOC) content	Not Applicable
Evaporation Rate	Not Applicable
Viscosity	Not Applicable
Percent Volatile	No Data
Octanol/Water partition coefficient	Not Applicable
Saturated Vapour Concentration	Not Applicable
Additional Characteristics	Not Applicable
Flame Propagation/Burning Rate of Solid Materials	Not Applicable

Properties of materials that may initiate or contribute to fire intensity	Not Applicable
Potential for Dust Explosion	Not Applicable
Reactions that Release Flammable Gases	Not Applicable
Fast or Intensely Burning Characteristics	Not Applicable
Non-flammables that could contribute unusual hazards to a fire	Not Applicable
Release of invisible flammable vapours and gases	No Data
Decomposition Temperature	No Data

Additional Information

10. STABILITY AND REACTIVITY

Chemical Stability : Product is stable under normal conditions of use and storage.

Conditions to avoid : Avoid extreme heat, high temperatures, and dusty conditions.

Incompatible Materials : Acids, foodstuffs and sources of ignition.

Hazardous Decomposition Products : If involved in a fire, product may produce fumes of phosphorous oxide, oxygen and carbon dioxide.

Hazardous Reactions : Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity Data

No toxicological information available on this product.

Health Effects - Acute

Swallowed

This product is irritating and corrosive to the gastro-intestinal tract.

Eye

Severe irritant, will cause redness and pain.

Skin

Exposure can lead to drying of skin and may lead to dermatitis.

Inhaled

Inhalation can cause irritation to the nose, throat and lungs. Not normally a hazard due to the physical nature of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity : No Data

Persistence and degradability : All surfactants are fully biodegradable.

Mobility : No information available on mobility for this product.

Additional information

Environmental fate (exposure) : No information available on environmental fate for this product.

Bioaccumulative potential : No information available on bioaccumulation for this product.

13. DISPOSAL CONSIDERATIONS

Disposal

Dispose of in accordance with all local, state and federal regulations.

Special Precautions for land fill or incineration

Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

UN No.	Not Allocated
Shipping Name	SODIUM CARBONATE
Dangerous Goods Class	None Allocated
Subsidiary Risk	None Allocated
Pack Group	None Allocated
Precaution for User	IRRITANT
Hazchem Code	N/A

15. REGULATORY INFORMATION

Poisons Schedule	5
EPG	N/A
AICS Name	CARBONIC ACID, DISODIUM SALT
NZ Toxic Substance	N
Additional information	No Data

16. OTHER INFORMATION

Additional information

Legend to abbreviations and acronyms:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
CO2	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health

LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
Misc	miscible
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (number)
cm ²	square centimetres
deg C (°C)	degrees Celsius
g	gram
g/cm ³	grams per cubic centimetre
g/l	grams per litre
immiscible	liquids are insoluble in each other
kg	kilogram
kg/m ³	kilograms per cubic metre
ltr	Litre
m ³	cubic metre
mPa.s	milli Pascal per second
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m ³	milligrams per cubic metre
miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per millionper 6 hours
tnne	tonne

ug/24H micrograms per 24 hours
wt weight

Literature references:

No Data

Sources for data:

No Data



Quality
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This MSDS summarises Redox Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Redox Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

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