

MATERIAL SAFETY DATA SHEET: GLOBAL ACID NEUTRALISER

Issue Date: 1st November 2011

STATEMENT OF HAZARDOUS NATURE

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia

1. IDENTIFICATION OF THE SUBSTANCE/PREPARTION/COMPANY/UNDERTAKING

Product Name: Global Acid Neutraliser

Other Names: SODA ASH, SODIUM CARBONATE, ANHYDROUS

Uses: Neutralises and absorbs acid spills for Sulfuric, Hydrochloric, Phosphoric, and Nitric Acid

Company Details: Global Spill Control Pty Ltd
16 Halsey Road, Airport West
Victoria 3042, Australia
A.B.N 74 005 181 699
Tel: (03) 9335 5366
Fax: (03) 9335 4399
International Tel: +61 3 9335 5366
International Fax: +61 3 9335 4399
Emergency Tel: (61) 419 579 054
Email: info@globalspill.com.au

2. HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC: 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]	
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		to 100
PHENOLPHTHALEIN	[77-09-8]	< 0.02

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 judgment 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 of surrounding fire conditions.
Hazards from Combustion Products	Non combustible. If in a fire may decompose on heating and produce fumes 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, labeled 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 FIRST AID MEASURES

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/m ³ (for inspirable dust) and 3mg/m ³ (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

9. PHYSICAL AND CHEMICAL PROPERTIES (cont)

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

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.	None 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)
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority

16. OTHER INFORMATION (cont)

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 centimeter
g/l	grams per litre
immiscible	liquids are insoluble in each other
kg	kilogram
kg/m ³	kilograms per cubic meter
ltr	Litre
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours

16. OTHER INFORMATION (cont)

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 million per 6 hours
tne	tonne
ug/24H	micrograms per 24 hours
wt	weight

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All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained 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 user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Global Spill Control Pty. Ltd. accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

...End of MSDS...