

# Material Safety Data Sheet

Product Name **ACID NEUTRALISER**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** ECOSPILL  
**Address** PO Box 5592, Brendale BC., QLD, AUSTRALIA, 4500  
**Telephone** (07) 3881 0554  
**Fax** (07) 3881 0032  
**Emergency** 0408 346 998  
**Web Site** <http://www.ecospill.com.au/>  
**Synonym(s)** ECOSPILL ACID NUETRALISER  
**Use(s)** ACID SPILL NEUTRALISER • INDUSTRIAL APPLICATIONS  
**MSDS Date** 09 Oct 2008

## 2. HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**

### RISK PHRASES

R36 Irritating to eyes.

### SAFETY PHRASES

S2 Keep out of 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

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>EPG</b>	None Allocated

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
SODIUM CARBONATE	Na <sub>2</sub> -C-O <sub>3</sub>	497-19-8	<54%
AMORPHOUS MINERAL SILICATE	Not Available	Not Available	<40%
ALIZARIN	C <sub>14</sub> -H <sub>8</sub> -O <sub>2</sub>	72-48-0	<5%

## 4. FIRST AID MEASURES

**Eye** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor** Treat symptomatically

**First Aid Facilities** Eye wash facilities and safety shower should be available.

# PRODUCT NAME ACID NEUTRALISER

## 5. FIRE FIGHTING MEASURES

<b>Flammability</b>	Non flammable. No fire or explosion hazard exists. May evolve toxic gases (sodium oxides) when heated to decomposition.
<b>Fire and Explosion</b>	Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
<b>Extinguishing</b>	Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>Hazchem Code</b>	None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spillage</b>	If spilt (bulk), contact emergency services if appropriate. Wear dust-proof goggles, PVA/rubber gloves, a Class P1 (Particulate) respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.
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## 7. STORAGE AND HANDLING

<b>Storage</b>	Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
<b>Handling</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<b>Exposure Stds</b>	SODIUM CARBONATE ES-TWA: 10 mg/m3 (Total dust)
<b>Biological Limits</b>	No biological limit allocated.
<b>Engineering Controls</b>	Do not inhale dust. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended.
<b>PPE</b>	Wear dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear: coveralls. Where an inhalation risk exists, wear: a Class P1 (Particulate).



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	PINK POWDER	<b>Solubility (Water)</b>	25 g/100 ml (Approximately)
<b>Odour:</b>	ODOURLESS	<b>Specific Gravity</b>	2.4
<b>pH</b>	11.5	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	851°C	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE	<b>Autoignition Temperature</b>	NOT AVAILABLE

# PRODUCT NAME ACID NEUTRALISER

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Stable under recommended conditions of storage.

**Conditions to Avoid** Avoid heat, sparks, open flames and other ignition sources.

**Material to Avoid** Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

**Decomposition** May evolve toxic gases (sodium oxides) when heated to decomposition.

**Hazardous Reactions** Polymerization is not expected to occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Health Hazard Summary** Slightly corrosive - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and dust/powder generation - inhalation.

**Eye** Slightly corrosive. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and possible burns.

**Inhalation** Slightly corrosive - irritant. Over exposure may result in mucous membrane irritation of nose and throat and coughing.

**Skin** Slightly corrosive. Contact may result in irritation, redness, itching, pain, rash, dermatitis and possible burns.

**Ingestion** Slightly corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting and abdominal pain. Ingestion is considered unlikely due to product form.

**Toxicity Data** SODIUM CARBONATE (497-19-8)  
LC50 (Inhalation): 800 mg/m<sup>3</sup>/2 hours (guinea pig)  
LD50 (Ingestion): 4090 mg/kg (rat)  
LD50 (Intraperitoneal): 117 mg/kg (mouse)  
LD50 (Subcutaneous): 2210 mg/kg (mouse)  
ALIZARIN (72-48-0)  
LD50 (Ingestion): 316 mg/kg wild bird

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## 12. ECOLOGICAL INFORMATION

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**Environment** WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5). SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.

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## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal** Neutralise with dilute acid (eg. 3 mol/L hydrochloric acid) or similar. For small amounts absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

**Shipping Name** None Allocated

**UN No.** None Allocated    **DG Class** None Allocated    **Subsidiary Risk(s)** None Allocated

**Packing Group** None Allocated    **Hazchem Code** None Allocated    **EPG** None Allocated

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## 15. REGULATORY INFORMATION

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**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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**Additional Information** RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ABBREVIATIONS:

## PRODUCT NAME **ACID NEUTRALISER**

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European INventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

### Prepared By

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

**MSDS Date:** 09 Oct 2008

**End of Report**