

# **WATERCO**

water, the liquid of life

## **SAFETY DATA SHEET**

### **AQUA~HEALTH GRANULAR PH DECREASER**

Infosafe No.: MTJMA  
Issued Date: 18/05/2016  
Issued by: WATERCO LIMITED

#### **1. IDENTIFICATION**

**GHS Product Identifier**

AQUA~HEALTH GRANULAR PH DECREASER

**Product Code**

34621 1 kg

**Company Name**

WATERCO LIMITED

**Address**

36 South Street Rydalmere  
NSW 2116 Australia

**Telephone/Fax Number**

Tel: 61 2 9898 8600

**Emergency phone number**

Australia 1800 638 556 land line for transport by air and sea +61 438 465960/ New Zealand 0800 154 666 land line for transport by air and sea +64 962 390 85

**Recommended use of the chemical and restrictions on use**

Water sanitation

**Other Names**

Name	Product Code
DRY ACID	34623 3 kg

#### **2. HAZARD IDENTIFICATION**

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 2

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Pictogram (s)**

Corrosion

**Precautionary statement – Prevention**

P264 Wash contaminated skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	Proportion
Sodium bisulphate	7681-38-1	90-100 %
Ingredients Determined Not To Be Hazardous		Balance

### 4. FIRST-AID MEASURES

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**Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

### 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media**

Use appropriate fire extinguisher for surrounding environment.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic, corrosive and/or irritating fumes, smoke and gases including oxides of sulphur.

### **Specific Hazards Arising From The Chemical**

Non flammable however at high temperature: heating can cause expansion or decomposition leading to violent rupture of containers. If in contact with water, the product turns into an acid solution. The aqueous solution is corrosive and attacks many metals with liberation of hydrogen which is inflammable and forms explosive mixtures with air.

### **Decomposition Temperature**

Decomposes at high temperature.

### **Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Emergency Procedures**

Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## **7. HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **Occupational exposure limit values**

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### **Biological Limit Values**

No biological limits allocated.

### **Appropriate Engineering Controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

### **Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### **Eye Protection**

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### **Hand Protection**

Wear gloves of impervious material such as nitrile or neoprene rubber. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### **Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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#### **Form**

Solid - Granules

#### **Appearance**

White powder or crystals.

#### **Colour**

White

#### **Odour**

Odourless

#### **Decomposition Temperature**

Decomposes at high temperature.

#### **Melting Point**

180°C

#### **Boiling Point**

Not applicable

#### **Solubility in Water**

280 g/l (25°C)

#### **Specific Gravity**

2.435

#### **pH**

1.3 (1% solution)

#### **Vapour Pressure**

Not available

#### **Vapour Density (Air=1)**

Not applicable

#### **Evaporation Rate**

Not applicable

#### **Odour Threshold**

Not available

#### **Viscosity**

Not available

#### **Partition Coefficient: n-octanol/water**

Not available

#### **Density**

Bulk density: 1.4- 1.5 kg/l

#### **Flash Point**

Not applicable

#### **Flammability**

Non combustible. Decomposes at high temperature.

#### **Auto-Ignition Temperature**

Not applicable

#### **Explosion Limit - Upper**

Not applicable

**Explosion Limit - Lower**

Not applicable

## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of handling and storage.

**Reactivity and Stability**

Reacts with incompatible materials.

**Conditions to Avoid**

Heat. Direct contact with water.

**Incompatible materials**

If in contact with water, the product turns into an acid solution. The aqueous solution is corrosive and attacks many metals with liberation of hydrogen which is inflammable and forms explosive mixtures with air.

**Hazardous Decomposition Products**

Under fire conditions this product may emit toxic, corrosive and/or irritating fumes, smoke and gases including oxides of sulphur.

**Possibility of hazardous reactions**

Not available

**Hazardous Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data is available for this material.

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Inhalation of dusts may irritate the respiratory system.

**Skin**

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

### **Other Information**

Prolonged or repeated contact with this material will result in skin irritation and possibly lead to dermatitis. Repeated or prolonged exposure may also lead to permanent tissue scarring, pulmonary oedema, pneumonitis. May also aggravate existing respiratory disorders.

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## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No ecological data available for this material.

### **Persistence and degradability**

Not available

### **Mobility**

Not available

### **Bioaccumulative Potential**

Not available

### **Other Adverse Effects**

Not available

### **Environmental Protection**

Do not allow product to enter drains, waterways or sewers.

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## **13. DISPOSAL CONSIDERATIONS**

### **Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

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## **14. TRANSPORT INFORMATION**

### **Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### **U.N. Number**

None Allocated

### **UN proper shipping name**

None Allocated

### **Transport hazard class(es)**

None Allocated

### **Special Precautions for User**

Not available

### **IMDG Marine pollutant**

No

### **Transport in Bulk**

Not available

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## **15. REGULATORY INFORMATION**

### **Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### **Poisons Schedule**

Not Scheduled

## **16. OTHER INFORMATION**

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### **Date of preparation or last revision of SDS**

SDS Created: May 2016

### **References**

-Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

-Standard for the Uniform Scheduling of Medicines and Poisons.

-Australian Code for the Transport of Dangerous Goods by Road & Rail.

-Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

-Workplace exposure standards for airborne contaminants, Safe work Australia.

-American Conference of Industrial Hygienists (ACGIH).

-Globally Harmonised System of classification and labelling of chemicals.

### **Contact Person/Point**

Emergency contact:

Australia 1800 638 556 landline +61 438 465 960

New Zealand 0800 154 666 landline +64 962 390 85

## **END OF SDS**

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