



# Wonder Waterwise Crystals

## Safety Data Sheet

According to 1907/2006/EC; 453/2010/EU; 2015/830/EU (REACH)

Country: RSA, NAM, BOT, ZAM, MOZ

SDS Number: 100009

Language: English

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>Product identifier</b>				
<b>Product form</b>		Mixtures		
<b>Trade name</b>		Wonder Waterwise Crystals		
<b>Product code</b>		34836 200g (6001379105734)		
<b>Registration Number</b>		M63 Act No. 36 of 1947, N-F1505		
<b>SDS Number</b>		100009		
<b>1.1. Relevant identified uses of the substance or mixture and uses advised against</b>				
<b>1.1.1. Relevant identified uses</b>				
<b>Main use category</b>		Growing media		
<b>Industrial/Professional use spec</b>		Home and Garden.		
<b>Use of the substance/mixture</b>		For use as a home garden increases the water holding capacity of soils		
<b>1.1.2. Uses advised against</b>				
		See product label for restrictions.		
<b>1.3. Details of the supplier of the safety data sheet</b>				
		Agro-Serve (Pty) Ltd 15 Diesel Road, Isando, 1600, South Africa PO Box 652147, Benmore, 2010, South Africa		
<b>Telephone</b>		+27 861 333 586 08h00 – 17h00 Monday to Friday		
<b>Email</b>		info@efekto.co.za		
<b>Website</b>		www.efekto.co.za		
<b>1.4. Emergency telephone number</b>				
<b>Country</b>	<b>Organisation/Company</b>	<b>Address</b>	<b>Emergency number</b>	<b>Comment</b>
<b>Poisons Centre</b>				
South Africa	Griffon Poison Centre		082 446 8946	Dr Gerhard H Verdoorn
<b>Spillage</b>				
South Africa	About Oil		072 554 8000	Byron van der Bank

### SECTION 2: Hazards identification

<b>2.1. Classification of the substance or mixture</b>				
<b>Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures</b>				
		Not classified.		
<b>Adverse physicochemical, human health and environmental effects</b>		To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.		
<b>2.2. Label elements</b>				
<b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b>				
		No labelling applicable.		
<b>Hazard pictograms:</b>				
<b>Hazardous components which must be listed on the label:</b>				
<b>CLP Signal word:</b>				
<b>Hazardous components which must be listed on the label:</b>				
<b>Hazard statements:</b>				
<b>Precautionary statements:</b>		P102 - Keep out of reach of children.		
<b>General</b>		P101 If medical advice is needed: Have product container or label at hand. P103 Read label before use.		
<b>Response Precautionary Statements:</b>		P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
<b>Response</b>		P310 - Immediately call a POISON CENTER or doctor.		

<b>Storage</b>	P234 Keep only in original container.				
<b>Disposal</b>	P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.				
<b>2.3. Other hazards</b>					
Not applicable.					
<b>SECTION 3: Composition/information on ingredients</b>					
<b>3.1. Substances</b>					
For increases the water holding capacity of soils.					
<b>3.2. Mixtures</b>					
<b>Chemical Name</b>	<b>CAS-No.</b>	<b>EC – Number</b>	<b>Conc. % by weight</b>	<b>Classification</b>	<b>Warning Symbols</b>
<b>POTASSIUM POLYACRYLATE</b>	CAS-No.: 25608-12-2		100	Not classified	
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II					
For the full text of the Hazard statements mentioned in this Section, see Section 16.					

#### SECTION 4: First aid measures

<b>4.1. Description of first aid measures</b>	
General Advice	Have the product container, label or Safety Data Sheet with you when calling a poison control centre or physician or going for treatment.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	Call a poison centre or a doctor if you feel unwell.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
	Serious damage to eyes.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	
	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	No specific treatment.

#### SECTION 5: Firefighting measures

<b>5.1. Extinguishing media</b>	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable	None known.
<b>5.2. Special hazards arising from the substance or mixture</b>	
	Toxic fumes may be released.
<b>5.3. Advice for firefighters</b>	
	<b>Special protective equipment for fire-fighters</b>
	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>5.3. Further information</b>	
	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

#### SECTION 6: Accidental release measures


<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>6.1.1. For non-emergency personnel</b>	
Emergency procedures	Ventilate spillage area. Avoid contact with skin and eyes
<b>6.1.2. For emergency responders</b>	
Protective equipment	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>6.2. Environmental precautions</b>	

	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>6.3. Methods and material for containment and cleaning up</b>	
For containment	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
<b>6.4. Reference to other sections</b>	
	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
Precautions for safe handling	Put on appropriate personal protective equipment (see Section 8).
Hygiene measures	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
Storage conditions	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Storage temperature	Not available
<b>7.3. Specific end use(s)</b>	
	Not available.

## SECTION 8: Exposure controls/personal protection

<b>RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.</b>	
Recommended monitoring procedures:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
DNEL/DMEL Summary:	Not available.
PNEC Summary:	Not available
Appropriate engineering controls:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Individual protection measures:	
Personal protective equipment symbol(s):	
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

	Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection:	
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	White
Odour	Odourless
Odour threshold	No data available
Melting point / Freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
pH	7.7 @ 1g/l
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient octanol / water (log value)	No data available
Vapour pressure	< 20 hPa @ 20°C
Density Solubility	No data available
Relative density	0.7 g/cm <sup>3</sup>
Particle characteristics	No data available
<b>9.2. Other information</b>	No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2. Chemical stability</b>	The product is stable.
<b>10.3. Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4. Conditions to avoid</b>	No specific data.
<b>10.5. Incompatible materials</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	
<b>11.1. Information on toxicological effects</b>	
<b>The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.</b>	
Acute toxicity	LD50 dermal rat > 2000 mg/kg Method: OECD 402, limit test. LD50 oral rat > 5000 mg/kg Method: OECD 401, limit test.
<b>Deltamethrin</b>	
LD50 oral rat	Not classified
LD50 dermal rat	Not classified
LC50 inhalation rat (mg/l)	Not classified
ATE CLP (vapours)	Not classified
ATE CLP (dust, mist)	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Assessment mutagenicity	Not classified
Assessment carcinogenicity	Not classified
Assessment toxicity to reproduction	Not classified
Assessment developmental toxicity	Not classified
Acute Toxicity:	Not classified
Skin corrosion/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):	Not classified
Other information:	To the best of our knowledge physical, chemical and toxicological properties have not been fully investigated.

SECTION 12: Ecological information	
<b>Toxicity</b>	
<b>The mixture has not been tested.</b>	
<b>Not classified as hazardous. Provides soil mycorrhizae to enhance plant growth.</b>	
LC50 - Fish [1]	> 5500 mg/l Species: Leuciscus idus (Golden orfe) Method: OECD Test Guideline 203
LC50 - Fish [2]	> 4000 Species: Danio rerio (zebra fish) Method: OECD Test Guideline 203
Persistence and Degradability:	No information available on mixture
Bioaccumulative Potential:	No information available on mixture
Mobility in Soil:	No information available on mixture
PBT and vPvB assessment:	No information available on mixture
Other adverse effects:	Information not available

SECTION 13: Disposal considerations		
<b>13.1. Waste treatment methods</b>		
Product:		Do not contaminate ponds, waterways or ditches with significant quantities of product Check if agriculture use is possible. Dispose of by use on farm as a fertiliser, by spreading thinly on open ground Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated Packaging:		Empty remaining contents. Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations

SECTION 14: Transport information					
In accordance with ADR / IMDG / IATA / AND / RID					
ADR	IMDG	IATA	ADN	RID	
<b>14.1. UN number</b>					
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous	
<b>14.2. UN proper shipping name</b>					
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous	
<b>Transport document description</b>					
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous	
<b>14.3. Transport hazard class(es)</b>					
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous	
<b>14.4. Packing group</b>					
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous	

<b>14.5. Environmental hazards</b>				
Not dangerous	Not dangerous	Not dangerous	Not dangerous	Not dangerous

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Registration No. M63 Act No. 36 of 1947, N-F1505

Increases the water holding capacity of soils

## SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments

### Full text of H- and EUH-statements:

#### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute toxicity estimate.
CAS-Nr.	CAS-Nr. Chemical Abstracts Service number.
CEILING	Ceiling Limit Value.
Conc.	Concentration.
EC-No.	European community number.
ECx	Effective concentration to x %.
IATA	International Air Transport Association.
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).
ICx	Inhibition concentration to x %.
IMDG	International Maritime Dangerous Goods.
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships.
N.O.S.	Not otherwise specified.
NOEC/NOEL	No observed effect concentration/level.
OECD	Organization for Economic Co-operation and Development.
OES	Occupational Exposure Standard.
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
UN	United Nations.
WHO	World health organisation.

**This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Agro-Serve (Pty) Ltd does not accept responsibility for damage caused by incorrect use of this information.**

**Training and related advice: This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.**

**This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.**

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End of Safety data Sheet