

## Section 1 - Identification of the Material and Supplier

<b>Product Name:</b>	Amgrow Wettasoil Water Crystals
<b>Other Means of Identification:</b>	Mixture
<b>Recommended Use of the Chemical and Restriction on Use:</b>	Water retaining crystals for soil.
<b>Details of Manufacturer or Importer:</b>	Australian Agribusiness (Holdings) Pty Ltd Suite 201, Level 2, 3 Rider Boulevard, Rhodes NSW 2138 Phone: 02 9395 1200 (office hours) www.aus-ag.com.au
<b>This Version Issued:</b>	December 2024 and is valid for 5 years from this date.
<b>Emergency telephone number:</b>	National Poisons Centre: Phone 13 11 26

## Section 2 - Hazards Identification

### Hazardous Nature:

Not Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not Classified as Dangerous Goods according to the Australian Code for Transport of Dangerous Goods by Road and Rail (7<sup>th</sup> edition), IATA and IMDG/IMSBC.

This product is not classified, according to the Globally Harmonised System (GHS)

Signal word: None.

Hazard Statements: None.

## Section 3 - Composition/Information on Ingredients

**Chemical Characterisation:** Mixture

**Description:** Mixture of substances listed below.

Non-Hazardous Components:		
N/A	Polyacrylamide	100%

## Section 4 - First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

**Skin Contact:** In case of skin contact, wash affected areas with water and soap. Seek medical attention if irritation occurs.

**Eye Contact:** In case of eye contact, rinse with water for several minutes, including under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

### Symptoms Caused by Exposure:

Inhalation:	No adverse health effects expected.
Skin Contact:	No adverse health effects expected.
Eye Contact:	No adverse health effects expected.
Ingestions:	No adverse health effects expected.

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## Section 5 - Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions. The product when wet renders surfaces extremely slippery.

**Specific Hazards Arising from the Chemical:**

Hazardous decomposition products: Thermal decomposition may produce: nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>) and ammonia (NH<sub>3</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Containers close to fire should be removed if only safe to do so. Use water spray to cool fire exposed containers. Minimise run-off from firefighting entering drains and water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## Section 6 - Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear adequate personal protective equipment. Keep unprotected persons away. Product swells in water and when wet renders surfaces extremely slippery.

**Environmental precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Do not flush with water. Stop leak if safe to do so and sweep or vacuum granules. Shovel/empty into suitable, closed containers for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

## Section 7 - Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. The product when wet renders surfaces extremely slippery.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eye wash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Incompatible with strong acids and oxidizing agents.

## Section 8 - Exposure Controls and Personal Protection

**Exposure Standards:**

No specific exposure standards are available for this product.

<b>Exposure Standards:</b>	
<b>Nuisance dust</b>	
WES	TWA: 10 mg/m <sup>3</sup>

**Personal Protection:**

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715 and 1716**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS/NZS 1337**.

**Engineering Controls:** Natural ventilation should be adequate under conditions of normal use.

**Respirator Protection:**

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Respiratory protection is not required under normal use conditions.

Where an inhalation risk exists, wear dust mask or approved particulate respirator (filter type P). At high dust levels, wear a powered air purifying respirator (PAPR) with P3 filter or an air-line respirator or a full-face P3 (particulate) respirator. See above AS/NZS standards for more information.

**Skin Protection:**

Skin protection is not required under normal use conditions.

For prolonged or repeated contact, use protective gloves. See above AS/NZS standards for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See above AS/NZS standards for more information.

**Eye and Face Protection:** Eye and face protectors against dust. See above AS/NZS standards for more information.

## Section 9 - Physical and Chemical Properties:

**Appearance:**

<b>Form:</b>	Solid granule.
<b>Colour:</b>	White.
<b>Odour:</b>	Nil.
<b>Odour Threshold:</b>	Not applicable.
<b>pH-Value:</b>	5 – 8 @5g/L.
<b>Freezing Point/Melting Point:</b>	> 150°C.
<b>Initial Boiling Point/Boiling Range:</b>	Not applicable.
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gas):</b>	No information available.
<b>Autoignition temperature:</b>	Does not self-ignite (based on the chemical structure).
<b>Decomposition Temperature:</b>	>150°C.
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available.
<b>Upper:</b>	No information available.
<b>Vapour Pressure:</b>	Not applicable.
<b>Vapour Density:</b>	Not applicable.
<b>Relative Density:</b>	0.6 – 0.9.
<b>Evaporation Rate:</b>	No information available.
<b>Solubility in Water:</b>	Insoluble.
<b>Partition Coefficient (n-octanol/water):</b>	-2.

## Section 10 - Stability and Reactivity

**Possibility of Hazardous Reactions:** No dangerous reactions known under conditions of normal use.

**Chemical Stability:** Stable at ambient temperatures and under normal conditions of storage and use.

**Conditions to Avoid:** Oxidizing agents may cause exothermic reactions.

**Incompatibilities:** Strong oxidising agents and acids.

**Hazardous Decomposition Products:** Thermal decomposition may produce: nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>) and ammonia (NH<sub>3</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

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## Section 11 - Toxicological Information

### Toxicity:

LD50/LC50 Values:		
Oral	LD50	>5,000 mg/kg (Rattus norvegicus (rat)) (Estimated)
Dermal	LD50	>5,000 mg/kg (Rattus norvegicus (rat)) (Estimated)

### Acute Health Effects

**Inhalation:** No adverse health effects expected.

**Skin Contact:** No adverse health effects expected.

**Eye Contact:** No adverse health effects expected.

**Ingestions:** No adverse health effects expected.

**Skin Corrosion/Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage/Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

### Carcinogenicity:

Based on classification principles, the classification criteria are not met.

This product does NOT contain any IARC listed chemicals.

### Reproductive Toxicity:

Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) – Single Exposure:

Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) – Repeated Exposure:

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic health Effects:** No data associated with long term effects.

**Existing Conditions Aggravated by Exposure:** No data available.

## Section 12 - Ecological Information

### Ecotoxicity:

**Aquatic toxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

CAS: 7757-79-1 Potassium nitrate	
EC50/48 h	>100 mg/L (Daphnia magna (water flea)) (Estimated)
LC50/96 h	>100 mg/L (Fish) (Estimated)
IC50/72 h	>100 mg/L (Algae) (Estimated)

**Persistence and Degradability:** Not readily biodegradable. Does not hydrolyse.

### Bioaccumulative Potential:

Not bioaccumulating.

Partition co-efficient (Log Pow): -2,

Bioconcentration factor (BCF): ~0.

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**Mobility in soil:** None.

**Other adverse effects:** No further relevant information available.

### Section 13 - Disposal Considerations

**Disposal Methods and Containers:**

Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste management Authority for more information.

### Section 14 - Transport Information

**UN Number:** Not regulated.

**Proper Shipping Name:** Not regulated.

**Dangerous Goods Class:** Not regulated.

**Packing Group:** Not regulated.

### Section 15 - Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All components are on the inventory or in compliance with the inventory.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Poison Schedule:**

Not a scheduled poison.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG</b>	Australian Dangerous Goods	<b>LC50</b>	Lethal concentration, 50 percent
<b>IMDG</b>	International Maritime Dangerous Good	<b>LD50</b>	Lethal dose, 50 percent
<b>IATA</b>	International Air Transport Authority	<b>STOT</b>	Specific Target Organ Toxicity
<b>GHS</b>	Globally Harmonised System of Classification and Labelling of Chemicals	<b>NES:</b>	National Exposure Standard (Safe Works Australia – Workplace Exposure Standards for Airborne Contaminants)
<b>IARC</b>	International Agency for Research on Cancer	<b>TWA</b>	Time Weighted Average
<b>CAS number</b>	Chemical Abstracts Service Registry Number	<b>UN Number</b>	United Nations Number

*THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.*

*IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS*

*OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.*

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (July 2020) and GHS Revision 7

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