

SURROUND® WP CROP PROTECTANT

Date of Issue: December 2016

1. IDENTIFICATION**Product Identifier:** Surround® WP Crop Protectant**Other Means of Identification:** Surround WP**Recommended Use of the Chemical and Restrictions on Use:** Crop Protectant**Details of Manufacturer or Importer:** AgNova Technologies Pty Ltd
Suite 3/935 Station Street
Box Hill North Vic 3129 Australia
(03) 9899 8100
www.agnova.com.au**Emergency Phone Number:** 1800 033 111 (24 hrs)**2. HAZARD(S) IDENTIFICATION****GHS Classification of the Substance:** The substance is not classified according to the Globally Harmonized System (GHS).**Label Elements:****GHS Label Elements:** Non-Regulated Material
Hazard Pictograms: Non-Regulated Material
Signal Word: Non-Regulated Material
Hazard Statements: Non-Regulated Material**ADG Classification:** Not classified as Dangerous Goods for land transport under the Australian Code for Transport of Dangerous Goods by Road and Rail – refer section 14.**SUSMP Classification:** Not scheduled
(Standard for Uniform Scheduling of Medicines and Poisons)**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

Ingredients:	CAS Number:	Concentration (% w/w):
Kaolin	1332-58-7	95

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4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Ingestion:	Not toxic. If adverse effects occur, contact a doctor or Poisons Information Centre (Telephone 13 11 26) and follow the advice given. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. Aid in breathing, if necessary, and get medical attention.
Skin Contact:	Flush skin with large amounts of water. If irritation persists, get medical attention.
Eye Contact:	In case of contact, immediately flush eyes with copious quantities of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation persists, get medical attention.
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms Caused by Exposure:	Dust may cause irritation of lungs, eyes or skin.
Medical Attention and Special Treatment:	None specified

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment:	Use dry chemical, foam, CO ₂ or water. Use firefighting measures that suit the environment.
Specific Hazards Arising from the Chemical:	No relevant information available.
Special Protective Equipment and Precautions for Fire Fighters:	Wear full protective clothing and self-contained breathing apparatus with a full-face piece operated in positive pressure mode.

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6. ACCIDENTAL RELEASE MEASURES
**Personal Precautions,
Protective Equipment
and Emergency
Procedures:**

Not required.

**Environmental
Precautions:**

DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment wash water or rinsate.

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

 Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to section 13.
 Ensure adequate ventilation.

7. HANDLING AND STORAGE
**Precautions for Safe
Handling:**

 Ensure good ventilation/exhaustion at the workplace.
 Avoid contact with skin, eyes and clothing
 Keep protective respiratory device available.
 Refer to the Product Label for further information.

**Conditions for Safe
Storage, including any
Incompatibilities:**

 Store in a well-ventilated, secure area out of reach of children and domestic animals.
 Do not store food, beverages, or tobacco products in the storage area.
 Product is slippery when wet.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personnel who handle this product in its end-use application should use this product in accordance with its pesticide labelling.

Exposure Standards:	Chemical	OSHA - PEL	ACGIH TLV	REL
	Kaolin	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction	Long-term value: 2* mg/m ³ E; as respirable fraction	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
Biological Monitoring:		No data available		

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Engineering Controls:	Use effective engineering controls to comply with occupational exposure limits.
Individual Protection Measures, for example, Personal Protective Equipment (PPE):	<p>Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Personal protective equipment not generally required.</p> <p><i>Hand and Skin Protection for use in situations where PPE is required to minimise exposure:</i> Wear gloves. Wear protective work clothing. Wash contaminated clothing before reuse.</p> <p><i>Eye Protection for use in situations where PPE is required to minimise exposure:</i> Wear tightly sealed goggles and face protection.</p> <p><i>Respiratory Protection:</i> Not generally required. However, use NIOSH approved respiratory protection when airborne concentrations exceed exposure limits.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	White powder
Odour:	Odourless
Vapour Pressure:	Not available
Vapour Density:	Not available
Bulk Density:	288.3 kg/m ³
Boiling Point:	Not applicable
Melting/Freezing Point:	Not determined
Solubility (in water):	Insoluble
pH:	Not applicable
Flash Point:	Not applicable
Flammability:	Not flammable
Flammability (explosive) Limits:	Not applicable
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available

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10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal use and storage conditions
Possibility of Hazardous Reactions:	Will not occur
Conditions to Avoid:	Avoid all sources of ignition, heat or open flame. Avoid prolonged exposure to excessive temperatures.
Incompatible Materials:	Avoid contact with oxidizing agents, acids or alkalis
Hazardous Decomposition Products:	None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral Toxicity:	LD ₅₀ Rat > 5,000 mg/kg (kaolin)
Dermal Toxicity:	No data available
Inhalation Toxicity:	No data available
Skin Corrosion/Irritation:	Mildly irritating
Serious Eye Damage/Irritation:	Mildly irritating
Respiratory or Skin Sensitisation:	No data available
Additional Toxicological Information:	The product is not subject to toxicological classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
Carcinogenicity:	None of the ingredients is listed as a carcinogen by IARC, NTP or OSHA

12. ECOLOGICAL INFORMATION

Do not contaminate water when disposing of equipment wash waters.

This information is based on the active ingredient: Kaolin

Ecotoxicity:

Aquatic Toxicity: No relevant information available

Bird Toxicity: No relevant information available

Persistence and Degradability: No relevant information available

Bioaccumulative Potential: No relevant information available

Mobility in Soil: No relevant information available

Other Adverse Effects: No further relevant information available

13. DISPOSAL CONSIDERATIONS

Disposal Containers and Methods:

Do not contaminate water, food, or feed by storage and disposal.

Product Storage: Store in a dry, sheltered location. Product is slippery when wet. In case of spill or leak, avoid breathing dust, clean up and dispose of wastes in compliance with applicable local regulations.

Product Disposal: Spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to applicable local procedures.

Container Disposal: Completely empty bag into application equipment. Dispose of empty bag according to local regulations.

14. TRANSPORT INFORMATION

Transport Classification:

Road and Rail Transport: Not classified as dangerous goods under the ADG7

Marine and Air: Not classified as dangerous goods for transport by sea and air according IMDG & IATA.

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UN Number: Not classified, none allocated

**Proper Shipping Name
or Technical Name:** Not classified, none allocated

**Transport Hazard
Class:** Not classified, none allocated

Packing Group: Not classified, none allocated

**Environmental Hazards
for Transport
Purposes:** Not a marine pollutant

**Special Precautions for
User:** None required

Additional Information: None required

Hazchem Code: None allocated

15. REGULATORY INFORMATION

APVMA Exempt from registration according to the Agricultural and Veterinary Chemicals Act 1988.

SUSMP Not scheduled

16. OTHER INFORMATION

Trademark Information: Surround® is a registered trademark of Tessenderlo Kerley, Inc.
All rights reserved.

**Abbreviations and
Acronyms:** ACGIH – American Conference of Governmental Industrial Hygienists, Inc.
ADG7 – Australian Dangerous Goods Code for Road and Rail Transport, 7th Edition
APVMA – Australian Pesticides and Veterinary Medicines Authority
GHS – Globally Harmonized System of Classification and Labelling of Chemicals
IARC – International Agency for Research on Cancer (USA)

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IATA – International Air Transport Association
IBC – Intermediate Bulk Container
IMDG – International Maritime Dangerous Goods
NIOSH – National Institute of Occupational Safety and Health (USA)
NTP – National Toxicology Program (USA)
OSHA – Occupational Safety & Health Administration (USA)
PEL – Permissible Exposure Limit
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons
TLV – Threshold Limit Value
TWA – Time Weighted Average

Date of Preparation or Revision: December 2016

Reason for Revision: To comply with GHS

Data Sources: Manufacturer product safety data and published data

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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS