



SAFETY DATA SHEET

SURROUND[®] WP CROP PROTECTANT

Date of Issue: 7 December 2021

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
Unit 4, 482 Kingsford Smith Drive
Hamilton Qld 4007 Australia
(03) 9899 8100
agnova.com.au

Emergency Phone Number: 1800 033 111 (24 hrs)

2. HAZARD(S) IDENTIFICATION

GHS Classification of the Active Substance: Not classified as hazardous according to the Globally Harmonised System (GHS).

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



SAFETY DATA SHEET

SURROUND[®] WP CROP PROTECTANT

Date of Issue: 7 December 2021

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:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
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. FIREFIGHTING MEASURES

Suitable Extinguishing Equipment:	Use dry chemical, foam, CO ₂ or water. Use firefighting media appropriate for combustibles involved in the fire.
Specific Hazards Arising from the Chemical:	No relevant information available.
Special Protective Equipment and Precautions for Firefighters:	Wear full protective clothing and self-contained positive pressure breathing apparatus with a full-face piece operated in positive pressure mode. Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways.



SAFETY DATA SHEET

SURROUND[®] WP CROP PROTECTANT

Date of Issue: 7 December 2021

Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document. Ensure adequate ventilation.

Environmental Precautions:

Contain spillage and minimise spread. DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of drains, sewers, ditches and water ways. DO NOT contaminate water when disposing of equipment wash water or rinsate.

Methods and Materials for Containment and Cleaning Up:

Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse. Wear the appropriate Personal Protective Equipment.

Conditions for Safe Storage, including any Incompatibilities:

Store in a dry, sheltered location away from food or feed. Store the container in the upright position. Product is slippery when wet.



SAFETY DATA SHEET

SURROUND® WP CROP PROTECTANT

Date of Issue: 7 December 2021

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.		
Engineering Controls:		Use effective engineering controls to comply with occupational exposure limits. If handling indoors, provide local exhaust ventilation.		
Individual Protection Measures, for example, Personal Protective Equipment (PPE):		Causes slight eye irritation. Avoid contact with eyes. May cause irritation to the respiratory system. Avoid breathing dust or mist. Applicators and other handlers should wear a dust/mist-filtering respirator. Nuisance dust masks and goggles are recommended for harvesters especially when plants are shaken during harvest. Other personal protective equipment not generally required. Wash hands before breaks and at the end of work.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odour:	Odourless
Vapour Pressure:	No data available
Vapour Density:	No data available
Bulk Density:	288.3 kg/m ³
Boiling Point:	No data available
Melting/Freezing Point:	No data available
Solubility (in water):	Insoluble
pH:	No data available
Flash Point:	No data available
Flammability:	No data available
Flammability (explosive) Limits:	No data available



SAFETY DATA SHEET

SURROUND® WP CROP PROTECTANT

Date of Issue: 7 December 2021

Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal use and storage conditions.
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 oxidising agents, acids or alkalis
Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral Toxicity: LD₅₀ Rat > 5,000 mg/kg
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: Not a contact sensitiser.



SAFETY DATA SHEET

SURROUND® WP CROP PROTECTANT

Date of Issue: 7 December 2021

Reproductive Toxicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	None of the ingredients is listed as a carcinogen by US EPA, ACGIH, IARC, NTP or OSHA.
Specific Target Organ Toxicity (STOT) – single exposure:	No data available.
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data available.
Aspiration Hazard:	No data available.

12. ECOLOGICAL INFORMATION

This information is based on the active ingredient: Kaolin

Ecotoxicity:

Aquatic Toxicity:	No relevant information available
Bird Toxicity:	No relevant information available
Bee Toxicity:	Dietary (LC ₅₀): >1,000 ppm a.i./bee
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



SAFETY DATA SHEET

SURROUND® WP CROP PROTECTANT

Date of Issue: 7 December 2021

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, 7th Edition.

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

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 Number:

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:

Not classified, none allocated



SAFETY DATA SHEET

SURROUND® WP CROP PROTECTANT

Date of Issue: 7 December 2021

15. REGULATORY INFORMATION

APVMA	Exempt from registration according to the Agricultural and Veterinary Chemicals Code Act 1994 (Cwlth).
SUSMP	Not scheduled

16. OTHER INFORMATION

Date of Preparation or Revision: 7 December 2021

Reason for Revision: 5-year review.
The following sections were revised:
Section 1: Contact details updated.
Sections 2-13: Updated as per updated manufacturer SDS.

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 Harmonised System of Classification and Labelling of Chemicals
- IARC – International Agency for Research on Cancer (USA)
- IATA – International Air Transport Association
- IMDG – International Maritime Dangerous Goods
- LC – Lethal Concentration
- LD – Lethal Dose
- MSHA – Mine Safety & Health Administration
- 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
- US EPA – USA Environmental Protection Agency



SAFETY DATA SHEET

SURROUND[®] WP CROP PROTECTANT

Date of Issue: 7 December 2021

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