



Creating Value Through Innovative Solutions

Safety Data Sheet

SURROUND[®] WP Crop Protectant

SDS Number: 2526 Revision: 8/5/2013

Section	1:	Identification
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| 1a. | Product Name: | SURROUND[®] WP CROP PROTECTANT | |
| | | EPA # 61842-18 | |
| 1b. | Other Identification: | | |
| | Chemical Family | Inorganic solid silicate | |
| | Formula | $Al_2Si_2O_5(OH)_4$ | |
| | EC Pre-Registration #: | 05-2118202546-49-0000 | |
| 1c. | Recommended Use of Chemical: | Pesticide – Crop Protection against sunburn | |
| 1d. | Manufacturer: | Tessenderlo Kerley Inc. | |
| | | 2255 N. 44 th Street, Suite 300 | |
| | | Phoenix, Arizona 85008-3279 | |
| | Information | (602) 889-8300 | |
| 1e. | Emergency Contact: | Tessenderlo Kerley, Inc. | (866) 374-1975 |
| | | CHEMTREC | (800) 424-9300 (Domestic) |
| | | | (703) 527-3887 (International) |

Section	2:	Hazard(s) Identification
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|------------|-------------------------------------|---|------|
| 2a. | Hazard Classification: | Health | None |
| | | Physical | None |
| 2b. | Signal Word: | Not Applicable | |
| | Hazard Statement(s): | Not Applicable | |
| | Symbol(s): | Not Applicable | |
| | Precautionary Statement(s): | Avoid contact with eyes – may cause eye irritation.
Keep out of reach of children
Keep out of reach of domestic animals
Avoid contact with skin and clothing | |
| 2c. | Unclassified Hazard(s): | None | |
| 2d. | Unknown Toxicity Ingredient: | None | |

Section	3:	COMPOSITION/ INFORMATION ON INGREDIENTS
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3.1 Chemical Ingredients: (See Section 8 for exposure guidelines)

Chemical	Synonym Common Name	CAS No.	EINECS No.	% by Wt.
Kaolin, calcined				95
Proprietary ingredients				5

Section 4: FIRST AID MEASURES

4.1 Symptoms/Effects:

Acute: Eye contact may cause eye irritation. Repeated or prolonged skin contact may cause skin irritation. Ingestion may irritate the gastrointestinal tract.

Chronic: No known chronic effects.

4.2 Eyes: Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye and lids. Obtain medical attention if irritation occurs.

4.3 Skin: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain medical attention if irritation occurs.

4.4 Ingestion: If victim is conscious, give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Obtain medical attention.

4.5 Inhalation: Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain medical attention.

Section 5: FIRE FIGHTING MEASURES

5.1 Flammable Properties: (See Section 9, for additional flammable properties)

NFPA: Health - 1 Flammability - 0 Reactivity - 0

5.2 Extinguishing Media:

5.2.1 Suitable Extinguishing Media: Not flammable, use media suitable for combustibles involved in fire.

5.2.2 Unsuitable Extinguishing Media: Not applicable.

5.3 Protection of Firefighters:

5.3.1: Specific hazards arising from the chemical: No particular hazards are known

Physical hazards: None

Chemical hazards: None

5.3.2: Protective equipment and precautions for firefighters: Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear. Keep

containers/storage vessels in fire area cooled with water spray.

Section	6: ACCIDENTAL RELEASE MEASURES
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6.1 Personal Precautions:

Use personal protective equipment specified in Section 8. Isolate the release area and deny entry to unnecessary, unprotected and untrained personnel.

6.2 Environmental Precautions:

Keep out of "waters of the US" because of potential aquatic toxicity (See Section 12).

6.3 Methods of Containment:

Small release: Clear area. Stop release if safely possible. Do not wash small releases into drains or surface water/ground water. Ensure adequate ventilation.

Large release: Stop release if safe to do so. Dike spill area with earth, sand or other inert absorbent to prevent runoff into surface waterways (potential aquatic toxicity).

6.4 Method for Cleanup:

Small release: For small areas: Shovel material into suitable container for disposal. Dispose as directed by pesticide label.

Large release: Recover as much of the spilled product for application (best disposal practice). Handle remaining material as a small release above.

Section	7: HANDLING and STORAGE
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7.1 Handling: Avoid contact with eyes. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of dust. Avoid prolonged or repeated contact with the skin.

7.2 Storage: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures. (See Section 10.3, for materials of construction)

Section	8: EXPOSURE CONTROLS/ PERSONAL PROTECTION
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8.1 Exposure Guidelines:	OSHA	ACGIH	
	<u>PEL</u>	<u>TLV</u>	<u>STEL</u>
Kaolin	5 to 15 mg/m ³	2 mg/m ³	None

8.2 Engineering Controls: Use adequate exhaust ventilation to prevent inhalation of product dust.

8.3 Personal Protective Equipment (PPE):

8.3.1 Eye/Face Protection: Chemical goggles and a full face shield.

8.3.2 Skin Protection: Wear gloves and protective long-sleeve suit.

8.3.3 Respiratory Protection: Use NIOSH approved dust respirators.

8.3.4 General Hygiene Considerations: Common good industrial hygiene practices should be followed, such as, washing thoroughly after handling and before eating or drinking.

Section	9:	PHYSICAL and CHEMICAL PROPERTIES
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9.1 Appearance/State/Odor:	white odorless powder
9.2 Odor Threshold:	Not applicable
9.3 pH:	Not applicable
9.4 Freezing Point:	Not applicable
9.5 Boiling Point:	Not applicable
9.6 Flash Point:	Not applicable
9.7 Evaporation Rate:	Not applicable
9.8 Flammability:	Not applicable
9.9 Flammability Limits:	Not applicable
9.10 Vapor Pressure:	Not applicable
9.11 Vapor Density:	Not determined
9.12 Bulk Density:	288.3 kg/m ³ (17.998 lbs/ft ³)
9.13 Solubility:	Insoluble
9.14 Partition Coefficient:	Not applicable
9.15 Auto-ignition Temperature:	Not applicable
9.16 Decomposition Temperature:	Not determined
9.17 Viscosity:	Not applicable

Section	10:	STABILITY and REACTIVITY
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10.1 Reactivity:	No data found
10.2 Chemical Stability:	Stable under normal storage conditions
10.3 Possibility of hazardous reactions:	None
10.4 Conditions to Avoid:	No information found
10.5 Incompatible:	No incompatibility data found
10.6 Hazardous Decomposition Products:	No hazardous decomposition products.

Section	11:	TOXICOLOGICAL INFORMATION
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11.1 Oral:	Oral Rat, LD ₅₀ : > 5,000 mg/kg (kaolin)
11.2 Dermal:	No data available
11.3 Inhalation:	No data available
11.4 Eye:	No data available
11.5 Chronic/Carcinogenicity:	Not listed in NTP, IARC or by OSHA.

11.6 Teratology:	Data not available
11.7 Reproduction:	No data available
11.8 Mutagenicity:	Data not available

Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	No data available
12.2 Persistence & Degradability:	No data is available.
12.3 Bioaccumulative potential:	This product is not bioaccumulative.
12.4 Mobility in Soil:	No data available.
12.5 Other Adverse Effects:	None

Section 13: DISPOSAL CONSIDERATIONS
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If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Consult state and local regulations for different or more restrictive disposal regulations.

Section 14: TRANSPORT INFORMATION
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14.1 Basic Shipping Description:

14.1.1 Proper Shipping Name:	Not regulated by DOT.
14.1.2 Hazard Class(s):	NA
14.1.3 Identification Number:	NA
14.1.4 Packing Group:	NA
14.1.5 Hazardous Substance:	No
14.1.6 Marine Pollutant:	No

14.2 Additional Information:

14.2.1 Other DOT Requirements:

14.2.1.1 Reportable Quantity:	No
14.2.1.2 Placard(s):	NA
14.2.1.3 Label(s):	NA

14.2.2 USCG Classification:

14.2.3 International Transportation:

14.2.3.1 IMO:	Not regulated
14.2.3.2 IATA:	Non-hazardous under IATA regulations.
14.2.3.3 TDG (Canada):	Not regulated – See US DOT Section 14.1.1.
14.2.3.4 ADR (Europe):	Not regulated
14.2.3.5 ADG (Australia):	Not regulated

14.2.4 Emergency Response Guide:	Not applicable
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14.2.5 ERAP - Canada: Not applicable

14.2.6 Special Precautions: Not applicable

Section	15: REGULATORY INFORMATION
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15.1 US Federal Regulations:

15.1.1 OSHA: This product meets the criteria of the Federal OSHA Hazard communication Standard (29 CFR 1910.1200).

15.1.2 TSCA: Product is contained in USEPA Toxic Substance Control Act Inventory

15.1.3 CERCLA: Reportable Quantity – Not applicable

15.1.4 SARA Title III:

15.1.4.1 Extremely Hazardous Substance (EHS): Not Applicable

15.1.4.2 Section 312 (Tier II) ratings:	Immediate (acute)	Yes
	Fire	No
	Sudden release	No
	Reactivity	No
	Delayed (chronic)	No

15.1.4.3 Section 313 (FORM R): Not applicable

15.1.5 RCRA: Not Applicable

15.1.6 CAA: Hazardous Air Pollutant (HAP): Not Applicable

15.2 International Regulations

15.2.1 Canada

15.2.1.1 WHMIS: Not determined

15.2.1.2 DSL/NDSL: Yes, Kaolin, DSL # 5706

Section	16: OTHER INFORMATION
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REVISIONS: Revised product name to registered and added EPA registration number, 11/21/08
 Revised Section 1.3, Emergency Contact, 7/10/2009.
 Revised Section 2, and MSDS format, 6/6/2012
 Revised entire document to comply with new OSHS HCS SDS, 8/5/2013.

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