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SURROUND WP Crop Protectant Material Safety Data Sheet

MSDS Effective Date: 1/1/2013

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic Powder Pesticide for Crop Protection

Identification of the substance or preparation: SURROUND WP Crop Protectant

Use of substance/preparation: Pesticide for Agricultural use, Crop protectant

Manufacturer: Tessengerlo Kerley Inc
2255 N. 44th Street, Suite 300
Phoenix, Arizona 85008-3279
(602) 889-8300

Manufacturer emergency phone number: (866) 374-1975 (Tessengerlo Kerley)
(800) 424-9300 (CHEMTREC)

Supplier: Same as manufacturer.

TDG classification: Not regulated.

WHMIS classification: ND

DSL status: Not available.

Supplier MSDS date: 2007/4/12

Revision date: 2008/5/9, 2013/1/1

Section 2: HAZARDOUS INGREDIENTS

C.A.S. # EC #	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
1332-58-7 310-194-1	95	Kaolin	2 MG/M3	>5000 MG/KG RAT ORAL	NOT AVAILABLE
NIL	5	Proprietary ingredients	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (Supplier).
LD 50>5000 MG/KG
RAT ORAL



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Section 3: PHYSICAL DATA

Physical state: Solid

Appearance & odor: White powder
Nearly odorless

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not applicable.

Vapour density (air=1): Not applicable.

By weight: Not available.

Evaporation rate (butyl acetate = 1): Not applicable.

Boiling point (°C): Not applicable.

Freezing point (°C): Not applicable.

Melting point Not Determined

pH: (1% aqueous solution).
NOT DETERMINED

Specific gravity @ 20 °C: (Water = 1).
NOT DETERMINED

Bulk Density 288.3 kg/m³ (17.998lb/ft³)

Solubility in water (%): Insoluble

Coefficient of water\oil dist.: Not available.

VOC: None

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Use extinguishing media as appropriate for combustibles involved in Fire.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not applicable

Flash point (°C), method: None

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not applicable.



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Hazardous combustion products: No particular hazard known.

Explosive power: None

Section 5: REACTIVITY DATA

Chemical stability: Product is stable.

Conditions of instability: None known.

Hazardous polymerization: Will not occur.

Incompatibles: All sources of ignition, heat or open flame
Prolonged exposure to excessive temperature. Contact with oxidizing agents, acids or alkalis.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause slight (temporary) irritation. Corneal injury is unlikely.

Skin contact: May cause slight irritation on prolonged or repeated contact.

Inhalation: Not considered to be hazardous

Ingestion: Single oral dose toxicity is low.
May cause irritation of gastrointestinal tract resulting in upset stomach, vomiting and/or diarrhea.

Effects of chronic exposure: Not listed as carcinogen by NTP, IARC or OSHA

LD50 of product, species & route: > 5000 mg/kg rat oral.

LC50 of product, species & route: Not available

Exposure limit of material: Not available

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Medical conditions aggravated by exposure: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Neoprene or rubber gloves.

Respiratory/Type:



If exposure limit is exceeded, wear a NIOSH approved respirator.

Eye/Type:



Chemical safety goggles with side-shields.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust at points of emission.

Leak/Spill: Small release- Clear area. Shut off leak if possible. Do not wash small spills away. Ensure adequate ventilation. Do not discharge in to the drains or surface waters/ground waters. Shovel in to suitable container for disposal. Dispose as directed by the pesticide product label.
Large releases- Cordon off area of spillage and dike area with dirt, sand or other inert material to prevent further migration. Recover as much of usable product for application. Handle remaining material as a small spill as above.

Waste disposal: In accordance with local and federal regulations.

Handling procedures and equipment: Manufacturing, commercial blending, packaging and applicator personnel must refer to the Product Label and Directions for Use Attached to the product for Agricultural Use requirements in accordance with EPA Worker Protection Standard.
Keep out of reach of children.
Use only in a well ventilated area.
Wash thoroughly after handling.
Avoid prolonged or repeated contact with skin and eyes.
Wash thoroughly with soap and water after handling.
Wash exposed clothing before reuse.

Storage requirements: Store in cool, dry, well ventilated areas away from ignition sources, heat or flame.
Protect containers from physical damage and contamination.



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TDG classification: Not regulated.

Special shipping information: Not regulated.

Section 8: FIRST AID MEASURES

Skin contact: Immediately flush with large quantities of water for 15 minutes. Remove contaminated clothing under safety shower. Do not neutralize with chemical agents. Obtain medical attention if irritation occurs.

Eye contact: Check for and remove contact lenses. Flush eyes with clear, running water for 15 minutes while holding eyelids open. Consult a physician immediately.

Inhalation: Remove victim to fresh air. 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 immediate medical attention.

Ingestion: Do not induce vomiting, seek medical attention. Give one or two glasses of water. If vomiting does occur repeat fluid administration. Never give anything by mouth to an unconscious person.

Section 9: ADDITIONAL INFORMATION

Data prepared by: Global Safety Management
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General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.