



SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC) or
1-866-374-1975 (Tessengerlo Kerley)

1. IDENTIFICATION

PRODUCT NAME: Surround CF Agricultural Crop Protectant
DESCRIPTION: Inorganic solid silicate
EPA Reg. No.: 61842-16
Chemical Characterization: Substance
COMPANY IDENTIFICATION: Tessengerlo Kerley, Inc.
2910 N. 44th Street, Suite 100
Phoenix, AZ 85018-7272
(602) 889-8300

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION

Health Hazards None	Category --	Physical Hazards None	Category --
		Environmental Hazards None	Category --

HAZARDS NOT REQUIRING CLASSIFICATION

None

PRECAUTIONARY STATEMENTS

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Kaolin, calcined	Kaolin, calcined	92704-41-1	95.0%

NOTE: Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call toll free 1-866-374-1975. See Label for Additional Precautions and Directions for Use.

IF IN EYES: 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 center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

5. FIREFIGHTING MEASURES

Fire and Explosion Hazards: No data available.

Extinguishing Medium: Use firefighting media appropriate for combustibles involved in the fire.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

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

Hazardous Combustion Products: No data available

NFPA Ratings: Health – 1 / Flammability – 0 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: 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 minimize 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 rinse waters.

Spill Cleanup: 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

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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Components with occupational exposure limits:

Kaolin	
PEL	Long-term value: 15*5** mg/m ³ *total dust ** respirable fraction
REL	Long-term value: 10*5** mg/m ³ *total dust ** respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction

Engineering Controls: If handling indoors, provide local exhaust ventilation.

Protective Clothing: Wear long sleeved shirt, long pants, socks and shoes, protective eyewear, and a dust/mist-filtering respirator with (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P, or HE filter.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and was PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white powder	pH:	not available
Melting point:	not available	Kinematic viscosity:	not available
Boiling point:	not available	Solubility (water):	insoluble
Flammability:	not available	Partition coefficient:	not available
Flammability limits (upper/lower):	not available	Vapor pressure:	not available
Flash point (cc):	not available	Bulk Density:	288.3 kg/m ³ (17.998 lb/ft ³)
Auto-ignition temperature:	not available	Relative vapor density:	not available
Decomposition temperature:	not available	Particle characteristics:	not available
Odor:	odorless		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid all sources of ignition, heat or open flame. Avoid prolonged exposure to excessive temperatures.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with oxidizing agents, acids or alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): >5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): No data available

INHALATION TOXICITY (rat LC₅₀): No data available

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Mildly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

DEVELOPMENTAL TOXICITY: No data available.

REPRODUCTIVE TOXICITY: No data available.

MUTAGENICITY / GENOTOXICITY: No data available.

12. ECOLOGICAL INFORMATION

The following information is for the active ingredient, Kaolin:

AQUATIC TOXICITY - Acute

Rainbow Trout (96-hour LC₅₀): No data available

Daphnia (48-hour EC₅₀): No data available

Algae (5-day EC₅₀): No data available

BIOACCUMULATIVE POTENTIAL

No further relevant information available.

MOBILITY IN SOIL

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION; GENERAL NOTES:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

12. ECOLOGICAL INFORMATION (Continued)

RESULTS OF PBT AND vPvB ASSESSMENT

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. See container label for container handling and disposal instructions.

14. TRANSPORT INFORMATION

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

US-DOT:

Not regulated

IMDG:

Not regulated

IATA:

Not regulated

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the GHS classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled. May cause irritation to the respiratory system. Avoid breathing dust or mist. 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.

ENVIRONMENTAL HAZARDS

For terrestrial uses. 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.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances):

Not listed.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

15. REGULATORY INFORMATION (Continued)

SARA Title III – Section 311/312 Hazard Categories

None

Section 313 (Toxic Release Reporting-Form R):

Not listed

CERCLA/SUPERFUND:

RQ (Reportable Quantity): Not applicable

California Proposition 65

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

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