

## Safety Data Sheet

### 1 IDENTIFICATION

Product Name:

**Surround® WP**

EPA Reg. No.:

Crop Protectant

61842-18

Chemical Family:

Inorganic solid silicate

Manufacturer/Supplier:

Tessenderlo Kerley Inc.  
2255 N. 44<sup>th</sup> Street, Suite 300  
Phoenix, Arizona 85008-3279  
Information:(602) 889-8300

For 24-Hour Emergency Assistance (Spill,  
Leak, Fire, or Exposure), Call CHEMTREC®:

(800) 424-9300 (CHEMTREC)

(866) 374-1975 (Tessenderlo Kerley)

### 2 HAZARD(S) IDENTIFICATION

**Classification of the substance or mixture**

**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

**NFPA Hazard Ratings**



Health = 1

Fire = 0

Reactivity = 0

**HMIS Ratings**



Health = 1

Fire = 0

Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization:** Mixture

**Description:** Mixture of the substance(s) listed below with nonhazardous additions.

| Active Ingredient: | Component | CAS No.   | % by Weight |
|--------------------|-----------|-----------|-------------|
|                    | Kaolin    | 1332-58-7 | 95          |

### 4 FIRST AID MEASURES

**Description of first aid measures**

**General information:**

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.

## 5 FIRE FIGHTING MEASURES

### **Extinguishing media**

#### **Suitable extinguishing agents:**

Use firefighting measures that suit the environment.

#### **Special hazards arising from the substance or mixture**

No relevant information available.

### **Advice for firefighters**

#### **Protective equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

## 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 material 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**

Personnel must refer to the Product Label and Directions For Use attached to the product for agricultural use requirements in accordance with the EPA Worker Protection Standard.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin, eyes and clothing

### **Information about protection against explosions and fires:**

Keep protective respiratory device available.

### **Conditions for safe storage, including any incompatibilities**

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:**

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

#### **Additional information:**

The lists that were valid during the creation were used as basis.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *(continued)*

### **Exposure controls**

#### **Personal protective equipment:**

#### **General protective and hygienic measures:**

Use adequate exhaust ventilation to prevent inhalation of product vapors.

#### **Breathing equipment:**

Not required.

NIOSH/MSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

#### **Protection of hands:**



Protective gloves

#### **Material of gloves**

Not required.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer

#### **Penetration time of glove material**

Not applicable

#### **Eye protection:**

Tightly sealed goggles

Face protection

#### **Body protection:**

Protective work clothing

## 9 PHYSICAL and CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Appearance</b>                                       | White powder   |
| <b>Odor</b>   | odorless   |
| <b>Odor Threshold</b>                                   | N/A  |
| <b>pH</b>   | N/A  |
| <b>Melting/Freezing Point</b>                           | Not determined                                       |
| <b>Flammability (Solid/Gas)</b>                         | N/A  |
| <b>Upper/Lower Flammability<br/>or Explosive Limits</b> | N/A  |
| <b>Vapor Density</b>                                    | N/A  |
| <b>Bulk Density</b>                                     | 288.3 kg/m <sup>3</sup> (17.998 lb/ft <sup>3</sup> ) |
| <b>Solubility (in Water)</b>                            | Insoluble  |
| <b>Partition Coefficient: n-octanol/water</b>           | N/A  |
| <b>Auto-ignition temperature</b>                        | N/A  |
| <b>Decomposition temperature</b>                        | N/A  |

## 10 STABILITY and REACTIVITY

|   |   |
|---|---|
| <b>Chemical stability</b>                               | This is a stable material under normal temperature and storage conditions.  |
| <b>Hazardous polymerization<br/>Conditions to avoid</b> | Will not occur<br>Avoid all sources of ignition, heat or open flame. Avoid prolonged exposure to excessive temperatures. Avoid contact with oxidizing agents, acids or alkalis. |
| <b>Hazardous decomposition products</b>                 | No dangerous decomposition products known   |

## 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**LD/LC<sub>50</sub> values relevant for classification:**

Oral Rat LD<sub>50</sub> >5,000 mg/kg (kaolin)

**Primary irritant effect:**

**on the skin**

Mild irritant effect

**on the eye**

Mild irritant effect

**Additional toxicological information:**

The product is not subject to 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.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)** None of the ingredients is listed.

**NTP (National Toxicology Program)** None of the ingredients is listed.

**OSHA (Occupational Safety & Health Administration)** None of the ingredients is listed.

## 12 ECOLOGICAL INFORMATION

To avoid impact on threatened or endangered aquatic plant or animal species, users must consult with state fish and game agency or U.S. Fire & Wildlife Service before making applications. Do not contaminate water when disposing of equipment wash waters.

|   |  |
|---|--|
| <b>Aquatic toxicity:</b>                  | No further relevant information available.                           |
| <b>Persistence and degradability</b>      | No further relevant information available.                           |
| <b>Bioaccumulative potential</b>          | No further relevant information available.                           |
| <b>Mobility in soil</b>                   | No further relevant information available.                           |
| <b>Additional ecological information:</b> |  |
| <b>General notes:</b>                     | Water hazard class 1 (Self-assessment): slightly hazardous for water |
| <b>Results of PBT and vPvB assessment</b> |  |
| <b>PBT:</b>                               | Not applicable.  |
| <b>vPvB:</b>                              | Not applicable.  |
| <b>Other adverse effects</b>              | 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 DISPOSAL:** Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14 TRANSPORT INFORMATION

|   |                      |                |
|---|----------------------|----------------|
| <b>UN Number:</b>   | DOT, ADR, IMDG, IATA | Not regulated  |
| <b>UN Proper shipping name:</b>   | DOT, ADR, IMDG, IATA | Not regulated  |
| <b>Transport hazard class(es)/Label(s):</b>                                     | DOT, ADR, IMDG, IATA | Not regulated  |
| <b>Packing group:</b>   | DOT, ADR, IMDG, IATA | Not regulated  |
| <b>Marine pollutant:</b>  |                      | No             |
| <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> |                      | Not applicable |
| <b>Transport/Additional information:</b>  |                      | Not applicable |

## 15 REGULATORY INFORMATION

**FIFRA:** Yes                      **Product Name:** Surround® WP                      **EPA Reg. No.** 61842-18

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. 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 classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION**

Causes moderate eye irritation.  
Avoid contact with eyes or clothing.  
Wash thoroughly with soap and water after handling.  
Remove contaminated clothing and wash clothing before reuse

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

Section 355 (extremely hazardous substances): None of the ingredients is listed.  
Section 313 (Toxic Release Reporting-Form R): None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):** Listed

**Proposition 65:** Not Listed.

**CERCLA/SUPERFUND:**

RQ (Reportable Quantity)                      Not applicable

**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.

## 16 OTHER INFORMATION

Issue Date: February 15, 2017

**REVISIONS:** Section 3 – corrected CAS no.

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