



## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### MANUFACTURED FOR:

Albaugh, LLC  
1525 NE 36<sup>th</sup> Street  
Ankeny, IA 50021

**PRODUCT NAME:** SELECT™ SILICA  
**CHEMICAL NAME:** Silicon Dioxide

**Date of Issue:** 4/14/16

### 2. HAZARDS IDENTIFICATION SUMMARY

**Hazard Classification:** Skin irritant, Category 2  
Eye irritant, Category 2A

**Signal Word:** "WARNING" **Hazard Statements:**

H315-Causes skin irritation H320-Causes eye irritation  
H335-May cause respiratory irritation  
H333-May be harmful if inhaled H303-May be harmful if swallowed

**Precautionary Statements:**

(PREVENTION)

P260-Do not breathe mist/vapors/spray  
P264-Wash thoroughly after handling  
P270-Do not eat, drink or smoke when using this product P271-Use only outdoors in a well-ventilated area  
P273-Avoid release to the environment

P280-Wear protective gloves / eye protection / face protection

(RESPONSE)

P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell

P330-Rinse mouth

P302+P352-IF ON SKIN wash with plenty of soap and water

P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing

P337+P313-If eye irritation persists, get medical advice / attention P362+P364-Take off contaminated clothing

**Precautionary Statements, Storage:**

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

P501-Dispose of container in accordance with local regulations



### 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>
Silicon dioxide	10%	99439-28-8



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## 4. FIRST AID MEASURES

- If in eyes:** Flush affected area with water. If symptoms develop, seek medical advice.  
**If on skin:** Flush affected area with water. If symptoms develop, seek medical advice.  
**If swallowed:** Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If symptoms develop, seek medical advice.  
**If inhaled:** Remove product or move person to fresh air

## 5. FIRE FIGHTING MEASURES

- FLASH POINT (°F/Test Method):** None  
**EXTINGUISHING MEDIA:** Not expected to burn  
**HAZARDOUS COMBUSTION PRODUCTS:** Not flammable or combustible  
**SPECIAL FIRE FIGHTING PROCEDURES:** Remove container from fire area

## 6. ACCIDENTAL RELEASE MEASURES

### PERSON PRECAUTIONS:

Restrict access to area as appropriate until clean-up operations are complete. Stop or reduce any leaks if it is safe to do so. Do not touch spilled material. Ventilate spill area if possible. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection)

### METHODS FOR CLEANING UP:

**SMALL SPILLS:** Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. **LARGE SPILLS:** Contain liquid using absorbent material, by digging trenches or diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

### ENVIRONMENTAL PRECAUTIONS:

Do not contaminate surface water.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid eye and skin contact. Do not take internally. Ensure all containers are labeled. Keep the containers closed when not in use.

**STORAGE:** Protect product from freezing. Store the containers tightly sealed. Stainless steel, fiber glass, Polyethylene compatibility with plastic materials may vary; it is recommended that compatibility is tested prior to use. **DO NOT USE** Aluminum or Mild Steel, Brass

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General ventilation is recommended. Local exhaust ventilation may be necessary when dusts or mists are generated.

**RESPIRATORY PROTECTION:** Not normally required.

**PERSONAL PROTECTIVE EQUIPMENT:** Chemical goggles or shielded safety glasses and rubber or neoprene gloves

**HYGEINE RECOMMENDATIONS:** Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Semi-clear liquid with no discernable smell  
**SOLUBILITY:** Soluble **pH:** 6.0-6.5  
**BULK DENSITY:** 8.8 pounds per gallon  
**SPECIFIC GRAVITY (Water = 1):** 1.05 @ 77°F/ 25° C  
**VISCOSITY:** Not established  
**VOC CONTENT:** 0% Calculated

Note: These physical properties are typical values for this product and are subject to change.

## 10. STABILITY AND REACTIVITY

**STABILITY:** Freezing temperatures Stable under normal conditions. **INCOMPATIBILITY:**  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable  
**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub>(rat):** >34,000 mg/kg  
**Acute Dermal LD<sub>50</sub>(rat):** >10,000 mg/kg  
**Eye Irritation (rabbit):** not established **Skin Irritation (rabbit):** not established  
**Skin Sensitization (guinea pig):** not established  
**Carcinogenic Potential:** None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

## 12. ECOLOGICAL INFORMATION

**Ecotoxicology:** No toxicity studies have been conducted on this product.

**Mobility:** The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level II model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.  
 If released into the environment this material is expected to distribute the air, water and soil/sediment in the approximate respective percentages;

Air	Water	Soil/Sediment
<5%	30-50%	30-50%

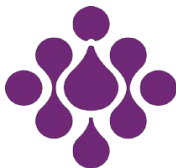
The portion in water is expected to be soluble or dispersible.

**Bioaccumulation Potential:** This preparation or material is not expected to bioaccumulate.

### Environmental Hazard and Exposure Characterization:

Based on our hazard characterization, the potential environmental hazard is: Low  
 Based on our recommended product application and the product's characteristics, the potential environmental exposure is: Low

If released into the environment, see CERCLA/SUPERFUND in Section 15.



## 13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under the Subpart D.

As a non-hazardous waste, it is not subject to federal regulation. Consult state or local regulation for any additional handling, treatment or disposal requirements. For disposal, contact a properly licensed waste treatment, storage, disposal, recycling facility.

## 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transport. Typical Proper Shipping Names for this product are as follows.

### LAND TRANSPORT:

Proper Shipping Name: PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### AIR TRANSPORT (ICAO/IATA):

Proper Shipping Name: PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### MARINE TRANSPORT:

Proper Shipping Name: PRODUCT IS NOT REGULATED DURING TRANSPORTATION

## 15. REGULATORY INFORMATION

This section contains additional information that may have relevance to regulatory compliance. The information in this section is for reference only. It is not exhaustive, and should not be relied upon to take the place of an individualized compliance or hazard assessment.

### NATIONAL REGULATIONS, USA:

#### OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our hazard evaluation, none of the substances in this product are hazardous.

#### CERCLA/SUPERFUND, 40 CFR 117, 302:

Notifications of spills of this product are not required.

#### SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III) – SECTIONS 302, 311, 312, AND 313:

##### SECTION 302 – EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 370):

This product does not contain substances listed in Appendix A and B as an Extremely Hazardous Substance.

##### SECTIONS 311 AND 312 – MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):

Our hazard evaluation has found that this product is not hazardous under 29 CFR 1910.1200.

- Immediate (Acute) Health Hazard
- Delayed (Chronic) Health Hazard
- Fire Hazard
- Sudden Release of Pressure Hazard
- Reactive Hazard

Under SARA 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**SECTION 313 – LIST OF TOXIC CHEMICALS (40 CFR 372):**

This product does not contain substances on the List of Toxic Chemicals.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

**FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 / formerly Sec. 307, 40 CFR 116.4/formerly Sec. 311:**

Substances listed under this regulation are not intentionally added or expected to be present in this product. Listed components may be present at trace levels.

**CLEAN AIR ACT, Sec. 112 (40 CFR 61, Hazardous Air Pollutants), Sec. 602 (40 CFR 82, Class I and II Ozone Depleting Substances):**

Substances listed under this regulation are not intentionally added or expected to be present in this product. Listed components may be present at trace levels.

**CALIFORNIA PROPOSITION 65:**

Substances listed under California Proposition 65 are not intentionally added or expected to be present in this product.

**MICHIGAN CRITICAL MATERIALS:**

Substances listed under this regulation are not intentionally added or expected to be present in this product. Listed components may be present at trace levels.

**NATIONAL REGULATIONS, CANADA:**

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS):**

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

**WHMIS CLASSIFICATION:**

Not considered a WHMIS controlled product.

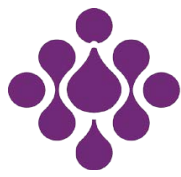
**16. OTHER**

Based on our recommended use of this product, we have characterized the product's general risk. This information should provide assistance for your own risk management practices. We have evaluated our product's risk as follows:

- The human risk is: Low
- The environmental risk is: Low

Any use inconsistent with our recommendations may affect the risk characterization. Our sales representative will assist you to determine if your product application is consistent with our recommendations. Together we can implement an appropriate risk management process.

This product safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplaces operations. Please consult your local sales representative for any further information.



# *SELECT™ SILICA*

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