

## SAFETY DATA SHEET

Material name: S-K-Microsource (SKM)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

#### Manufacturer Information

Heart of Nature  
2470 St. Rose Pkwy. # 301  
Henderson, NV 89074

Phone: 661-399-9755  
Fax: 661-399-9758

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Dust may cause eye, skin and respiratory tract irritation.

#### Potential Health Effects: Eyes

May cause eye irritation.

#### Potential Health Effects: Skin

May cause skin irritation.

#### Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May be harmful if swallowed.

#### Potential Health Effects: Inhalation

Dust may cause respiratory tract irritation.

#### HMIS Ratings: Health: 1, Fire: 1, HMIS Reactivity: 0

Hazard Scale: 0= Minimal, 1= Slight, 2= Moderate, 3= Serious, 4= Severe \*= Chronic hazard

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS #         | Component                           |
|---------------|-------------------------------------|
| Not available | Trace Elements of Sulfonated Potash |
| 7704-34-9     | Sulfur                              |
| 7440-70-2     | Calcium                             |
| 91728-14-2    | Aluminum                            |
| 584-08-7      | Potassium Carbonate                 |
| 7439-89-6     | Iron                                |

### 4. FIRST-AID MEASURES

#### First Aid: Eyes

If material comes into contact with eyes, flush with water for 15 minutes. If irritation persists, seek medical attention.

#### First Aid: Skin

Slush skin with water, if irritation persists, contact physician.

Material name: S-K-Microsource (SKM)

**First Aid: Ingestion**

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical professionals.

**First Aid: Inhalation**

Move to non-contaminated air. If the affected person is not breathing, begin artificial respiration and call 911 if symptoms continue to persist.

## 5. FIRE-FIGHTING MEASURES

**General Fire Hazards**

Note that sulfur dust may form flammable or explosive mixture in air.  
See Section 9 for Flammability Properties.

**Hazardous Combustion Products**

Not determined.

**Extinguishing Media**

Use appropriate extinguishing media for surrounding fire.

**Fire Fighting Equipment/Instructions**

Fire fighters should wear full protective gear.

**PA Ratings: Health: 1, Fire: 1, Reactivity: 0**

Hazard Scale 0= Minimal, 1= Slight, 2= Moderate, 3= Serious, 4= Severe

## 6. ACCIDENTAL RELEASE MEASURES

**Containment Procedures:**

Stop the flow of material as long as it is without risk.

**Clean-Up Procedures:**

Avoid the generation of dusts during clean-up. Sweep up or gather material and place in material appropriate container for disposal.

**Evacuation Procedures:**

Isolate area. Keep unnecessary personnel away.

**Special Procedures:**

None.

## SAFETY DATA SHEET

Material name: S-K-Microsource (SKM)

### 7. HANDLING AND STORAGE

**Handling Procedures:**

Avoid dust generation. Avoid contact with eyes and skin. Wear protective clothing during use.

**Storage Procedures:**

Store in cool, dry location.

### 8. EXPOSURE CONTROLS/PERSONNEL PROTECTION

**A: Component Exposure Limits**

ACGIH, OSHA and NIOSH have not developed exposure limits for any of this product's components.

**Engineering Controls:**

Showers, Eye Station, Ventilation and Local Exhaust.

**PERSONAL PROTECTIVE EQUIPMENT**

**Personal Protective Equipment: Eyes/Face**

Wear safety glasses with side shields.

**Personal Protective Equipment: Skin**

Use impervious gloves and long sleeve clothing.

**Personal Protective Equipment: Respiratory**

NIOSH/MSHA approved respiratory protection should be worn for prolonged exposure or if irritation is experienced.

**Personal Protective Equipment: General**

Handle in accordance with good industrial hygiene and safety practices.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                  |          |                                  |                     |
|----------------------------------|----------|----------------------------------|---------------------|
| <b>Appearance:</b>               | Granular | <b>Odor:</b>                     | Sulfur smell        |
| <b>Physical State:</b>           | Solid    | <b>pH:</b>                       | 3.10 (10% Solution) |
| <b>Vapor Pressure:</b>           | SD       | <b>Vapor Density:</b>            | ND                  |
| <b>Boiling Point:</b>            | ND       | <b>Melting Point:</b>            | ND                  |
| <b>Solubility (H2O)</b>          | ND       | <b>Specific Gravity:</b>         | ND                  |
| <b>Evaporation Rate:</b>         | ND       | <b>VOC:</b>                      | ND                  |
| <b>Octanol/H2O Coeff:</b>        | ND       | <b>Flash Point:</b>              | N/A                 |
| <b>Flash Point Method:</b>       | N/A      | <b>Upper Flammability Limit:</b> | N/A                 |
| <b>Lower Flammability Limit:</b> | N/A      | <b>Burning Rate:</b>             | N/A                 |
| <b>Auto Ignition</b>             | N/A      |                                  |                     |

Material name: S-K-Microsource (SKM)

## 10. CHEMICAL STABILITY AND REACTIVITY

### Chemical Stability

This is a stable product

### Chemical Stability: Conditions to Avoid

Avoid dust generation. Keep away from ignition sources

### Incompatibility

None

### Hazardous Decomposition

Not Determined

### Possibility of Hazardous Reactions

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Dose Effects

#### A: General Product Information

No information available for this product

#### B: Component Analysis – LD50/LC50

##### Sulfur (7704-34-9)

Inhalation LC50 Rat > 9.23 mg./kg. 4 h; Oral LD50 Rat > 3000 mg./kg; Dermal LD50

Rabbit > 2000 mg/kg

##### Potassium Carbonate (584-08-7)

Oral LD 50 Rat 1870 mg/kg; Dermal LD50 Rat 1.87 mg/kg

##### Iron (743989-6)

Oral LD50 Rat 984 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for this product

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NIOSH or NTP

## 12. ECOLOGICAL INFORMATION

### A: General Information

No information available on the product.

## SAFETY DATA SHEET

Material name: S-K-Microsource (SKM)

### B: Component Analysis – Ecotoxicity – Aquatic Toxicity

#### Sulfur (770434-9)

| Test & Species                  | Conditions          |
|---------------------------------|---------------------|
| 96 Hr. LC50 Brachydanio Rerio   | 866 mg/L (static)   |
| 96 Hr. LC50 Lepomis Macrochirus | < 14mg/L (static)   |
| 96 Hr. LC50 Oncorhynchus        | > 180 mg/L (static) |

#### Iron (7439-89-6)

| Test & Species               | Conditions              |
|------------------------------|-------------------------|
| 96 Hr. LC50 Morone Saxatilis | 13.6 mg/kg. (static)    |
| 96 Hr. LC50 Cyprinus Carpio  | 0.56 mg/L (Semi-Static) |

## 13. DISPOSAL CONSIDERATIONS

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA waste numbers are applicable for this product's components

#### Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.  
See Section 7 for handling procedures.  
See Section 8 for personal protective equipment recommendations

## 14. TRANSPORT INFORMATION

### US DOT Information

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### TSCA

All components of this product are either listed or are exempt on the TSCA Inventory.

### US Federal Regulation

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).  
This product does not contain any chemicals which are subject to the reporting requirements of  
The Act and Title 40 of the Code of Federal Regulations, Part 372.

SAFETY DATA SHEET

Material name: S-K-Microsource (SKM)

**Component Analysis**

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | Yes |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**U.S. State Regulations**

**California Proposition 65**

This product contains Proposition 65 chemicals (Minerals such as silica, etc.).

**Component Analysis - State**

The following components appear on one or more of the following state hazardous substance list.

| Component | CAS #     | CA  | MA  | MN | NJ  | PA  | RI  |
|-----------|-----------|-----|-----|----|-----|-----|-----|
| Sulfur    | 7704-34-9 | YES | YES | NO | YES | YES | YES |
| Calcium   | 7440-70-2 | YES | YES | NO | YES | YES | YES |
| Iron      | 7439-89-6 | YES | NO  | NO | NO  | NO  | NO  |

**Component Analysis – WHMIS-DL**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure Act

| Component           | CAS #     | Minimum Concentration |
|---------------------|-----------|-----------------------|
| Potassium Carbonate | 584-08-07 | 1%                    |

Additional Regulatory Information  
Component Analysis – Inventory

## SAFETY DATA SHEET

Material name: S-K-Microsource (SKM)

| Component           | CAS #      | TSCA | CAN | EEC    |
|---------------------|------------|------|-----|--------|
| Sulfur              | 7704-34-9  | YES  | DSL | EINECS |
| Calcium             | 7440-70-2  | YES  | DSL | EINECS |
| Aluminum            | 91728-14-2 | NO   | NO  | NO     |
| Potassium Carbonate | 584-08-7   | YES  | DSL | EINECS |
| Iron                | 7439-89-6  | YES  | DSL | EINECS |

### 16. OTHER

The Prop 65 Notice is only applicable to products sold in the state of California.

**CALIFORNIA PROPOSITION 65 WARNING**  
**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)  
**For more information: [www.watts.com/prop65](http://www.watts.com/prop65)**

#### General Disclaimer

The information provided in this Safety Data Sheet is correct the best of our knowledge, information and belief at the due of its publication. The information given is designated only as a guidance for safe handling, use, processing, storage, transporatation, disposal and release and is not to be considered a warranty or quality specifications. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. No guarantee is made as to accuracy or completeness, therefore the user assumes all risks involving the use of this product.

**END OF SAFETY DATA SHEET**