

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: Micro-Scientific MicroKleen HS – B2

Revision Date: 21-Dec-2015

## SECTION 1 – IDENTIFICATION

### Product Identifier

Product Name: Micro-Scientific MicroKleen HS

Product Code: B2

### Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Detergent

Restrictions for Use: Use only as directed.

### Details of the Supplier

Manufacturer: Micro-Scientific, LLC  
755 Tri-State Parkway  
Gurnee, IL 60031 USA  
888-253-2536

### Emergency Phone Number

24-Hour Number: 1-800-535-5053

International: 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
Acute toxicity - oral	4

### Label Elements

Hazard Symbols(s):



Signal Word(s): Warning

Hazard Statement(s): Harmful if swallowed.

Precautionary Statement(s): Wash face, hands, and exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth. Keep out of reach of children. Keep containers tightly closed in a dry, cool, and well-ventilated place. Dispose of the contents/container in accordance with all federal, state, and local regulations.

### Other Hazards

Not applicable.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Alkylpolyglycoside C8-10	68515-73-1	1-5
Sodium sulfate	7757-82-6	0-1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.

**Eye Contact:** Rinse immediately with water for at least 15 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth and throat with water. Drink a quart of water. Get medical attention immediately.

**Skin:** Remove contaminated clothing. Wash with soap and water. If irritation persists, seek medical attention.

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## **Most Important Symptoms and Effects (Acute and Delayed)**

**Inhalation:** None expected under normal use conditions.

**Eye Contact:** Direct contact with eyes may cause temporary irritation.

**Ingestion:** Ingestion can cause irritation, nausea, or stomach distress.

**Skin:** Prolonged or repeated skin contact may cause irritation.

## **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physician:** Treat symptomatically.

## **SECTION 5 – FIRE FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable:** Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

**Unsuitable:** Not determined.

### **Specific Hazards Arising from Chemical**

Hazardous combustion products may include and are not limited to carbon oxides, oxides of sulfur, and hydrogen sulfide.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

**Personal Precautions:** Use personal protective equipment as required.

**Environmental Precautions:** See Section 12 for ecological information.

### **Methods and Material for Containment and Cleaning Up**

Small spills may be flushed to a sanitary sewer with copious amounts of water if in accordance with national and local regulations. Large spills should be picked up and place in a container for disposal. Wash the contaminated area with soap and water. Clean up in accordance with all applicable regulations.

## **SECTION 7 – HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash hands after use. Do not eat, drink, or smoke when using this product.

**General Hygiene Advice:** Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.

**Incompatible Materials:** Strong oxidizing agents.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

#### **Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Alkylpolyglycoside C8-10	Not available	Not available	Not available
Sodium sulfate	Not available	Not available	Not available

### **Appropriate Engineering Controls**

Apply technical measures to comply with occupational exposure limits.

### **Individual Protection Measures**

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**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**Skin and Body Protection:** Wear latex, rubber, nitrile, or polyethylene gloves.

**Eye/Face Protection:** Splash goggles or safety glasses

**General Work/Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Pink liquid

**Odor:** Detergent

**Odor threshold:** Not determined

**pH:** 6.9

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

**Flash point:** >200°F (TCC)

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not applicable

**Upper/lower flammability or explosive limits:** Not applicable

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 1.02

**Solubility(ies):** Completely soluble

**Partition coefficient (n-octanol/water):** Not determined

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** None under normal use. Hazardous polymerization does not occur.

**Conditions to avoid:** Keep out of reach of children.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** May include and are not limited to carbon oxides, sulfur oxides, and hydrogen sulfide.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Likely Routes of Exposure:** inhalation, eye contact, skin contact, and ingestion.

### Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity:** NTP: No IARC: No OSHA: No

### Numerical Measures of Toxicity

**Product Information:**

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**ATE for mixture - LD50 (oral):** 1482 mg/kg

**ATE for mixture – LD50 (dermal):** 279087 mg/kg

**ATE for mixture – LC50 (inhalation – dust/mist):** 156.6 mg/L

## Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alkylpolyglycoside C8-10	Not available	Not available	Not available
Sodium sulfate	> 10000 mg/kg (rat)	Not available	Not available

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence and degradability:** Not determined.

**Bioaccumulative potential:** Not determine.

**Mobility in soil:** Not determined

**Other adverse effects:** Not determined.

## SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

## SECTION 14 – TRANSPORT INFORMATION

**Note:** Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

**DOT (Ground):** Not regulated

**IATA (Air):** Not regulated

**IMDG (Vessel):** Not regulated

## SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

SARA Title III, Section 313 reportable chemicals: none.

## SECTION 16 – OTHER INFORMATION

**Issue Date:** 21-Dec-2015

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**