

# SAFETY DATA SHEET

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



Product: MicroKleen-G Instrument Pre-Spray Gel- GCTZWIN24S

Revision Date: 21-Feb-2014

## SECTION 1 – IDENTIFICATION

### Product Identifier

**Product Name:** MicroKleen-G Instrument Pre-Spray Gel

**Product Code:** GCTZWIN24S

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

**Recommended Use:** Instrument detergent spray

**Restrictions for Use:** Use only as directed.

### Details of the Supplier

**Manufactured for:** Micro-Scientific  
755 Tri-State Pkwy  
Gurnee, IL 60031 USA  
1-224-656-6502

### Emergency Phone Number

**24-Hour Number:** 1-800-424-9300

**International:** 1-703-527-3887

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
None	N/A

### Label Elements

**Hazard Symbols(s):** Not applicable

**Signal Word(s):** Not applicable

**Hazard Statement(s):** Not applicable

**Precautionary Statement(s):** In cases of contact with skin or eyes, immediately flush with plenty of water and get medical attention if irritation persists. If inhaled and breathing is difficult, remove victim to fresh air and get medical attention. If ingested, do not induce vomiting and get medical attention. Dispose of container in accordance with all local, regional, national, and international regulations.

### Other Hazards

Not applicable

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
None	N/A	N/A

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if victim feels unwell.

**Eye Contact:** Immediately flush eyes with plenty of water. If present, remove contact lenses after flushing for five minutes. Continue flushing for at least 15 minutes. If irritation persists, get medical attention.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

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

**Inhalation:** May cause respiratory tract irritation.

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**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

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

**Note to Physician:** Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

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

### **Extinguishing Media**

**Suitable:** Foam, carbon dioxide, dry chemical, or water fog.

**Unsuitable:** None known

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

Products of combustion include but are not limited to: oxides of carbon.

### **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. Keep upwind of fire.

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

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

**Personal Precautions:** Use personal protective equipment as recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**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. Contain and/or absorb large spills with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Scoop up material and place in a disposal container.

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

### **Precautions for Safe Handling**

**Handling:** Avoid contact with skin and eyes. Avoid breathing vapour or mist. Handle and open container with care. 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**

No data available

### **Exposure Guidelines:**

No data available

### **Appropriate Engineering Controls**

Apply technical measures to comply with occupational exposure limits.

### **Individual Protection Measures**

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

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

**Eye/Face Protection:** Safety glasses or goggles are recommended when using this product.

**General Work/Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Blue gel

**Odor:** Slight

**Odor threshold:** Not determined

**pH:** 8.6

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

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

**Flash point:** >93.3°C (>200°F) TCC

**Evaporation rate:** Not determined

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

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

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 1.00

**Solubility(ies):** Not determined

**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.

**Conditions to avoid:** Heat.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** May include and are not limited to oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Likely Routes of Exposure:** Inhalation, skin contact, eye contact, 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	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit

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ATE (inhalation)

>20 mg/l/4h, rat

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not established

**Persistence and degradability:** Not established

**Bioaccumulative potential:** Not established

**Mobility in soil:** No additional information available

**Other adverse effects:** No additional information available

## 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.

## SECTION 16 – OTHER INFORMATION

**Issue Date:** 21-Feb-2014

**Revision Date:** 21-Feb-2014

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**