

# SAFETY DATA SHEET

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



Product: Micro-Scientific Cuts-It Instrument Spray – M60022

Revision Date: 04-Jan-2016

## SECTION 1 – IDENTIFICATION

### Product Identifier

Product Name: Micro-Scientific Cuts-It Instrument Spray

Product Code: M60022

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

Recommended Use: Cleaner

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
Serious eye damage	1
Reproductive toxicity	2

### Label Elements

#### Hazard Symbols(s):



Signal Word(s): Danger

Hazard Statement(s): Causes serious eye damage. Suspected of damaging fertility or unborn child.

Precautionary Statement(s): Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, and face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. If exposed or concerned: Get medical advice/attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Other Hazards

8% of the mixture consists of ingredient(s) of unknown toxicity.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Alcohol, straight chain, modified polyethoxylate	68154-99-4	1-5
Sodium tetraborate decahydrate	1303-96-4	1-5
Sodium nitrite	7632-00-0	0.1-1

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

# SAFETY DATA SHEET

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



**Product:** Micro-Scientific Cuts-It Instrument Spray – M60022

**Revision Date:** 04-Jan-2016

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel 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, seek medical attention immediately.

**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:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

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

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

**Eye Contact:** Causes serious eye damage. 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, 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, see medical advice immediately (show the label or SDS where possible).

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

### **Extinguishing Media**

**Suitable:** Treat for surrounding material.

**Unsuitable:** None known.

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

Products of combustion may include, and 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 protection 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. Use appropriate Personal Protective Equipment (PPE).

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

### **Precautions for Safe Handling**

**Handling:** Avoid contact with skin and eyes. Avoid breathing vapour or mist. Do not swallow. Handle and open container with care. When using, do not eat, drink or smoke. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**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. Keep out of reach of children.

**Incompatible Materials:** None known

# SAFETY DATA SHEET

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



Product: Micro-Scientific Cuts-It Instrument Spray – M60022

Revision Date: 04-Jan-2016

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium tetraborate decahydrate 1303-96-4	2 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup> STEL 6 mg/m <sup>3</sup>	Not available

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### Individual Protection Measures

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

**Skin and Body Protection:** Wear suitable protective clothing and chemically resistant gloves.

**Eye/Face Protection:** Wear approved eye protection (properly fitted splash-proof chemical safety goggles).

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

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow liquid

**Odor:** Fresh

**Odor threshold:** Not determined

**pH:** 8.7

**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:** 1.06

**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:** None known.

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

## SECTION 11 - TOXICOLOGICAL INFORMATION

# SAFETY DATA SHEET

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



Product: Micro-Scientific Cuts-It Instrument Spray – M60022

Revision Date: 04-Jan-2016

## 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
ATE (inhalation)	Not available

## **Component Information:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohol, straight chain, modified polyethoxylate 68154-99-4	2414 mg/kg (rat)	>2000 mg/kg (rabbit)	>7.1 mg/l/1h (rat)
Sodium tetraborate decahydrate 1303-96-4	2660 mg/kg (rat)	Not determined	Not determined
Sodium nitrite 7632-00-0	180 mg/kg (rat)	Not determined	5.5 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.

### **SARA 313**

Sodium nitrite (7632-00-0)	
SARA Section 313 – Emissions reporting	1.0%

## **SECTION 16 – OTHER INFORMATION**

**Issue Date:** 04-Jan-2016

# SAFETY DATA SHEET

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



**Product:** Micro-Scientific Cuts-It Instrument Spray – M60022

**Revision Date:** 04-Jan-2016

**Revision Date:** 04-Jan-2016

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**