

# SAFETY DATA SHEET

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



Product: OPTI-CIDE<sup>3</sup> Surface Wipes- MSI100, MSI100F, M60104

Revision Date: 06-Jul-2021

## SECTION 1 – IDENTIFICATION

### Product Identifier

Product Name: OPTI-CIDE<sup>3</sup> Surface Wipes

Product Code: MSI100, MSI100F, M60104

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

Recommended Use: Cleaner, Disinfectant, Deodorizer

Restrictions for Use: Use only as directed.

### Details of the Supplier

Manufacturer: Micro-Scientific, LLC  
755 Tri-State Parkway  
Gurnee, IL 60031  
1-888-253-2536

### Emergency Phone Number

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

International: 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
Eye irritation	2A
Specific target organ toxicity (single exposure)	3

### Label Elements

Hazard Symbols(s):



Signal Word(s): Warning

Hazard Statement(s): Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary Statement(s): Keep container tightly closed. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Other Hazards

This material is not classified as a readily combustible substance of Division 4.1

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Isopropyl alcohol	67-63-0	10-30
2-Butoxyethanol	111-76-2	1-5

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

# SAFETY DATA SHEET

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

**Product:** OPTI-CIDE<sup>3</sup> Surface Wipes- MSI100, M60104

**Revision Date:** 23-Oct-2020

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** Not a normal route of exposure. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

**Ingestion:** May result in obstruction and irritation if ingested. If large amounts of liquid are swallowed seek medical attention immediately.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

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

**Inhalation:** Vapors may cause drowsiness and dizziness. May cause respiratory tract irritation.

**Eye Contact:** Causes serious 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, drying, defatting and cracking of the skin.

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

**Note to Physician:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable:** Water fog, carbon dioxide, dry chemical or alcohol foam.

**Unsuitable:** None known.

### Specific Hazards Arising from Chemical

This wipe is not classified as a readily combustible substance of Division 4.1. Products of combustion include but are not limited to: oxides of carbon.

### Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## 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

Pick up large pieces, then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in well-ventilated area.

**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 locked up and out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

# SAFETY DATA SHEET

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

**Product:** OPTI-CIDE<sup>3</sup> Surface Wipes- MSI100, M60104

**Revision Date:** 23-Oct-2020

**Incompatible Materials:** Oxidizers.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### **Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol (67-63-0)	200 ppm	980 mg/m <sup>3</sup>	Not available
2-Butoxyethanol (111-76-2)	20 ppm	240 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:** None normally required.

**Skin and Body Protection:** Wear suitable protective clothing for operations which may result in prolonged or repeated skin contact.

**Eye/Face Protection:** None required for normal use.

**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. Handle according to established industrial hygiene and safety practices.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Wipes saturated with clear liquid

**Odor:** Alcohol-like

**Odor threshold:** Not determined

**pH:** 7.6 (liquid)

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

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

**Flash point:** N/A

**Evaporation rate:** Not determined

**Flammability (solid, gas):** N/A

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

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 0.97 (liquid)

**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. Sources of ignition.

# SAFETY DATA SHEET

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

**Product:** OPTI-CIDE<sup>3</sup> Surface Wipes- MS1100, M60104

**Revision Date:** 23-Oct-2020

**Incompatible materials:** Oxidizers.

**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
ATE (inhalation)	>20 mg/l/4h

### **Component Information:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol (67-63-0)	4396 mg/kg (rat)	12800 mg/kg (rat)	72.6 mg/l/4h (rat)
2-Butoxyethanol (111-76-2)	470 mg/kg (rat)	Not available	450 ppm/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. The generation of waste should be avoided or minimized whenever possible.

## SECTION 14 – TRANSPORT INFORMATION

**Note:** The finished good has been tested per the specifications of 49 CFR 173 App. E and determined not to be hazardous for transportation.

**DOT (Ground):** Not regulated

**IATA (Air):** Not regulated

**IMDG (Vessel):** Not regulated

## SECTION 15 – REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

### CAUTION

Harmful if inhaled or absorbed through skin.

Causes moderate eye irritation.

# SAFETY DATA SHEET

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

**Product:** OPTI-CIDE<sup>3</sup> Surface Wipes- MS1100, M60104

**Revision Date:** 23-Oct-2020

Avoid breathing vapors, and contact with eyes, skin, or clothing.  
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.  
Remove contaminated clothing and wash clothing before reuse.  
Do not use or store near heat or open flame.

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

## SARA 313

This product contains chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act and Title 40 of the Code of Federal Regulations, Part 372. Chemicals: Isopropanol and Butoxyethanol.

## SECTION 16 – OTHER INFORMATION

**Issue Date:** 07-Mar-2016

**Revision Date:** 06-Jul-2021

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**