

# MATERIAL SAFETY DATA SHEET (MSDS) Updated: July 2012

## ***GermiCide-3*** Surface Disinfectant Cleaner

**1 – Identification- Produced for:**  
**Germiphene Corporation**  
**1379 Colburn Street East**  
**Brantford, ON N3T5M1**  
**Telephone: 519-759-7100**  
**24 Hour Emergency Number – 613-996-6666**

Produced for Germiphene Corporation by:  
Micro-Scientific Industries, Inc. - Rolling Meadows, IL 60008 USA - General Telephone 1-888-253-2536

**2 – Composition:** This product in its ready to use form is not hazardous. The individual ingredients present within the mixture that are greater than 1% of the entire formulation and that when stored or handled individually that may present a hazard are:

<b>Hazardous Ingredients:</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>LIMIT</b>	<b>%</b>
<b>Isopropanol</b> - CAS # 67-63-0	400 ppm	980mg/m3	N/A	20.85

**3- Hazard Identification Routes of Entry:** **Eyes** : May cause some slight reversible eye irritation with direct contact. **Inhalation** : Prolonged, contained exposure to alcohol vapors may cause light-headedness and /or irritation to nose and throat **Gastric**: Can cause some gastric distress **Skin**: May produce some slight redness or irritation although unlikely.

#### **4- First Aid Procedures**

**Skin** : If irritated, rinse with water. If irritation persists, seek medical attention.  
**Eyes**: Flush with water. Remove contact lenses, if present, and continue to flush affected eye(s). If irritation persists, seek medical attention. **Ingestion**: Seek medical attention. Drink water or milk. Induce vomiting. **Inhalation/aspiration of liquid**: Remove to fresh air. Seek medical assistance. If not breathing perform artificial respiration.

#### **5 - Fire and Explosion Hazard Data**

**Closed Cup Flash Point** : 30.56 degrees C. **Flammable Limits** : None **Extinguishing Media** : Alcohol foam, CO2, dry chemical. **Special Fire Fighting Procedures** : NIOSH for alcohol fires  
**Unusual fire or explosion hazards** : As with all products containing alcohol, the alcohol vapors may be heavier than air. Refer to section 10 for specific storage, handling and transportation exemption per US Code of Federal Regulations as an "Aqueous / alcohol" solution

**6- Accidental Release Measures:** Absorb spill with absorbent material and place into container for disposal. Rinse with plain water.

**7- Storage:** Keep out of reach of children. Avoid contact with eyes, Do not store near heat or open flame. Keep container closed when not in use.

**8 – Exposure Control / Personal Protection**

**Respiratory Protection:** N/A    **Local Exhaust :** N/A    **Mechanical :** Usual

**Protective Gloves and/or clothing:** : N/A

**Eye Protection:** Avoid direct contact with eyes.

---

**9 - Physical and Chemical Properties**

**Liquid Boiling Point:** 87 degrees C.    **Specific Gravity** (H2O=1.0) : 0.95 to 0.97

**Vapor Pressure (mm Hg) :** 0.2-4.7    **Vapor Density** (Air = 1) : +1

**Evaporation Rate :** Similar to water    **Solubility in Water :** Complete

**Freezing point :** -10C    **Appearance and Odor :** Slight alcohol fragrance. Clear in color. **pH:** 7.5

---

**10 – Stability and Reactivity Data**

**Solution :** Stable    **Conditions to Avoid :** Extreme heat or open flame    **Incompatibility :**

Concentrated acids    **Hazardous Polymerization :** Will not occur

**Hazardous Decomposition or by-products:** Oxides of carbon upon combustion.

---

**11- Toxicological Information**

**Carcinogenicity NT :** No    **LARC Monographs :** No

---

**12- Ecological Information:** N/A

---

**13- Disposal Considerations:** Dispose of in accordance with local regulations.

---

**14 – Transportation: Department of Transportation (49 CFR 173.150e) transport**

**exemption applies.** *“Alcohol containing solutions containing 24% or less alcohol by volume and which consists of no less than 50 % water and are stored in containers holding less than 750 US gallons are exempt from the classification as flammable and require no special shipping, storage or handling”.*

---

**15- Regulatory Information:** All ingredients in this product are listed or excluded from the listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory

---

**16 – Other Information**

**Ratings: Health** -0

**FLAMMABILITY-See section 14**

**Reactivity** -0

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communications Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is believed to the best of our knowledge to be accurate.