

MATERIAL SAFETY DATA SHEET

Complies with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200.

APRIL 11,2003

OPTI-SAN NR ALCOHOL HAND SANITIZER

SECTION I - Contact Information

Micro-Scientific Industries, Inc.
1225 Carnegie Street
Rolling Meadows, IL 60008 USA
General Phone: 1-888-253-2536

Emergency Telephone Numbers:

(24 Hour) 1-800-255-3924
International (813) 977-3668

SECTION II - Composition

Hazardous Components / CAS Number	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Ethyl Alcohol 64-17-5	1000 ppm	1000 ppm	N/D	63.0

SECTION III - Physical/Chemical Characteristics

Boiling Point: >150^oF **Specific Gravity (H₂O = 1):** 0.894
Vapor Pressure (mm Hg.): N/D **Melting Point:** N/A
Vapor Density (AIR = 1): N/D **Evaporation Rate (Butyl Acetate = 1):** N/D
Solubility in Water: Complete **pH:** 7.5
Appearance and Odor: Clear, colorless gel with alcohol fragrance

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 80 °F (T>O>C> method)
Flammable Limits: Danger: **Very Flammable**
Extinguishing Media: Dry chemical, CO₂, foam or water spray
Special Fire Fighting Procedures: Self-contained breathing apparatus recommended
Unusual Fire and Explosion Hazards: Avoid open flame or extreme heat or sources of ignition

SECTION V - Reactivity Data

Stability: Stable
Incompatibility (Materials to Avoid): None known
Hazardous Decomposition or By-products: Carbon dioxide may form during combustion
Hazardous Polymerization: Will not occur.
Conditions to Avoid: High temperatures

SECTION VI - Health Hazard Data

Route(s) of Entry:**Inhalation of vapors:** Yes **Skin:** No **Eyes:** Yes **Ingestion:** Yes**Health Hazards (Acute and Chronic):****Inhalation:** Prolonged direct inhalation of vapors may cause some lightheadedness and/or irritation to nose and throat.**Eyes:** Direct contact may cause, stinging, pain and redness.**Skin:** None.**Ingestion:** Gastrointestinal irritation.**Carcinogenicity:** **NTP:** N/D **IARC Monographs:** N/D **OSHA Regulated:** N/D**Emergency and First Aid Procedures:****Vapor Inhalation:** Move to fresh air. **Aspiration:** Seek medical assistance.**Eyes:** Remove contact lenses. Flush with water. Seek medical attention.**Ingestion:** Drink plenty of water. Seek medical assistance.**SECTION VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled: Rinse with water or wipe up.**Waste Disposal Method:** Dispose of in ordinary trash or down sanitary system.**Precautions to Be Taken in Handling and Storing:** Keep away from sources of ignition or high temperatures.**Other Precautions:** Keep out of reach of children.**SECTION VIII - Control Measures**

Respiratory Protection (Specific Type): None**Ventilation:** **Local Exhaust:** Yes **Mechanical (General):** None
 Special: None **Other:** None**Protective Gloves:** Not required **Eye Protection:** Avoid eye contact**Other Protective Clothing or Equipment:** None**Work/Hygienic Practices:** None**HMIS RATING:** **HEALTH = 1** **FLAMMABILITY = 3** **REACTIVITY = 0** **PROTECTION = 0****Note:** N/A or N/D as an information entry means the data is not applicable or determined, respectively.

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communications Standard (20CFR 1910.1200) and is only specific to this product. The information contained is believed to be accurate to the best of our knowledge.