

MATERIAL SAFETY DATA SHEET

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

HMIS RATING:	HEALTH = 1	FLAMMABILITY = 3	REACTIVITY = 0	PROTECTION = B
NFPA RATING:	HEALTH = 1	FLAMMABILITY = 3	REACTIVITY = 0	

IDENTITY - As used on Label and List**MADACIDE-FD GERMICIDAL SOLUTION****SECTION I - Contact Information**

Mada Equipment Company, Inc. 625 Washington Ave. Carlstadt, NJ 07072	<i>Emergency Telephone Numbers:</i> Contact Your Regional Poison Control Center or 1-201-460-0454
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SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components Specific Chemical Identity; CAS Number	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Isopropyl Alcohol: 67-63-0	400ppm	400ppm		21.0
Alkyl Dimethyl Benzyl Ammonium Chloride: 68391-01-5	N/D	N/D	LD50 350mg/k	0.154
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride: 68956-79-6	N/D	N/D	LD50 350mg/k	0.154
*Ethylene Glycol Monobutyl Ether 111-76-2	25ppm skin	25ppm skin		

VOC: 25.5%

DOT: Not regulated for ground transport for non-bulk packages, Aqueous Solution of Alcohol 173.150 Air shipments bulk packages require hazardous labeling and documentation: Compounds, Cleaning Liquid (Isopropanol), 3, NA1993, Pkg. Grp. III, Ltd. Qty.

All ingredients in this product are on the TSCA list.

* SARA Title III, Section 313 reportable chemical.

SECTION III - Physical/Chemical Characteristics

Boiling Point: 87°C	Specific Gravity (H ₂ O = 1): 0.95-0.97
Vapor Pressure (mm Hg.): N/D	Melting Point: N/A
Vapor Density (AIR = 1): >1	Evaporation Rate (Butyl Acetate = 1): N/D
Solubility in Water: Complete	pH: 6.5-8.7
Appearance and Odor: Clear liquid with alcohol odor.	

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 86°F TCC

Flammable Limits:	LEL: N/D	UEL: N/D
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Extinguishing Media: Alcohol foam, carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Follow NIOSH recommended guidelines for alcohol fires.

Unusual Fire and Explosion Hazards: Vapors can be heavier than air. Never use torch or other source of flame near the product.

SECTION V - Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing agents.

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

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Heat or open flame.

SECTION VI - Health Hazard Data

Route(s) of Entry:

Inhalation: Yes

Skin: Yes

Ingestion: Yes

Health Hazards (Acute and Chronic):

Inhalation: Prolonged exposure to vapors may cause lightheadedness and/or irritation to nose and throat.

Eyes: Can cause moderate irritation.

Skin: Prolonged or repeated contact can cause irritation.

Ingestion: Can cause gastrointestinal irritation.

Carcinogenicity:

NTP: N/A

IARC Monographs: N/A

OSHA Regulated: N/A

Signs and Symptoms of Exposure:

Inhalation: Lightheadedness and/or irritation to nose and throat.

Eyes: Irritation.

Skin: Irritation and /or redness.

Ingestion: May cause dizziness, abdominal discomfort, nausea, and vomiting.

Medical Conditions Generally Aggravated by Exposure: Dermatitis.**Emergency and First Aid Procedures:***Inhalation: Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.**Eyes: Rinse with water for at least 15 minutes. If irritation persists, seek medical attention immediately.**Skin: Wash with soap and water. If irritation persists, seek medical attention.**Ingestion: Drink a quart of milk or water. Induce vomiting (this should be done only by medical or experienced first aid personnel). Call a physician immediately.*

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Dilute with soap and water.**Waste Disposal Method:** Dispose of in accordance with all applicable local, state and federal regulations.**Precautions to Be Taken in Handling and Storing:** Keep away from flames, sparks or other sources of ignition.**Other Precautions:** Keep out of reach of children.

SECTION VIII - Control Measures

Respiratory Protection (Specific Type): None**Ventilation:**

Local Exhaust: Yes

Special: None

Mechanical (General): None

Other: None

Protective Gloves: Yes**Eye Protection:** Safety glasses**Other Protective Clothing or Equipment:** None**Work/Hygienic Practices:** None*Note: N/A or N/D as an information entry means the data is not applicable or determined, respectively.*