

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

074767810

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

074767802

Product Code: 7020, 7021, 7022, 7023, 7024

# MATERIAL SAFETY DATA SHEET

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

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

NFPA RATING: HEALTH = 1 FLAMMABILITY = 3 REACTIVITY = 0

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MADACIDE-FD Germicidal Solution

Manufactured for: Mada Medical Products, Inc.  
625 Washington Ave.  
Carlstadt, NJ 07072

### Emergency Contact:

24-hour number: 800-424-9300

International: 703-527-3887

or contact your regional Poison Control

MSDS Issue Date: 02/10/11

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Wt % (optional)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Isopropyl Alcohol	67-63-0	21.0	400 ppm	400 ppm	N/D
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.154	N/D	N/D	N/D
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	0.154	N/D	N/D	N/D
Ethylene Glycol Monobutyl Ether	111-76-2	--	25 ppm	25 ppm	N/D

## SECTION 3 – HAZARD IDENTIFICATION

Routes of Entry: Eye contact, skin contact, skin absorption, inhalation, ingestion.

### Effects of Acute Exposure:

**Inhalation:** Prolonged or repeated contact may cause lightheadedness and/or irritation to nose and throat.

**Eyes:** Contact may cause irritation.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Ingestion can cause gastrointestinal irritation.

Effects of Chronic Exposure: None known.

Medical Conditions Generally Aggravated by Exposure: Dermatitis and other pre-existing skin conditions.

Carcinogenicity: NTP: N/A

IARC Monographs: N/A

OSHA Regulated: N/A

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

**Eyes:** Rinse with water for at least 15 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention immediately.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth and throat with water. Drink a quart of water. Get medical attention immediately.

## SECTION 5 – FIRE FIGHTING MEASURES

Flash Point (Method Used): 86°F TCC

Flammable Limits: N/A

Autoignition Temperature: N/A

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 6 – ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled: Absorb spill with an absorbent material and place in container for disposal. Wash the contaminated area with water.

## SECTION 7 – HANDLING AND STORAGE

Precautionary Information: Keep out of reach of children

Product Code: 7020, 7021, 7022, 7023, 7024

# MATERIAL SAFETY DATA SHEET

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**Handling and Storage Conditions:** Do not store near heat or open flame. Keep container closed when not in use. Avoid breathing of vapors and contact with eyes, skin, or clothing.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**Ventilation:** General ventilation normally adequate.

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

**Protective Gloves:** Latex, rubber, nitrile, or polyethylene.

**Eye Protection:** Safety glasses.

**Other Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** None.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Colorless

**Odor:** Alcohol

**Specific Gravity (H<sub>2</sub>O = 1):** 0.96

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/A

**pH:** 7.5

**Product State:** Liquid

**Boiling Point:** N/D

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Solubility in Water:** Complete

**VOC:** N/D

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents.

**Hazardous Decomposition or By-products:** May include and are not limited to oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, open flames, sparks.

## SECTION 11- TOXICOLOGICAL INFORMATION

**Toxicological Data:** N/A

## SECTION 12- ECOLOGICAL INFORMATION

**Environmental Data:** N/A

## SECTION 13- DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 14- TRANSPORTATION INFORMATION

**Domestic Ground Transport of Non-Bulk Packages:** Aqueous Solution of Alcohol {173.150 (e) (2)}

**Air and International Shipments:** Alcohols, n.o.s., (Isopropanol), 3, UN1987, Pkg. Grp. III

## 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 Title III, Section 313 reportable chemicals: Ethylene Glycol Monobutyl Ether.

## SECTION 16 – OTHER INFORMATION

**Additional Information:** Use as directed.

**Note:** N/A or N/D as an information entry means the data is not applicable or determined, respectively.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the information contained within. Actual conditions of use, handling, storage, and disposal are beyond manufacturer's control. User is responsible to evaluate all available information when using this product for any particular use and to comply with local, state, and federal regulations.

# SAFETY DATA SHEET

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

**Product:** MADACIDE-FD Germicidal Solution- 7022, 7023, 7024

**Revision Date:** 05-Apr-2016

## SECTION 1 – IDENTIFICATION

### Product Identifier

**Product Name:** MADACIDE-FD Germicidal Solution

**Product Code:** 7022, 7023, 7024

### 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

**Manufactured for:** Mada Medical Products, Inc.  
625 Washington Ave  
Carlstadt, NJ 07042  
1-800-526-6370

### Emergency Phone Number

**24-Hour Number:** 1-800-424-9300

**International:** 1-703-527-3887

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

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

### Label Elements

#### **Hazard Symbols(s):**



**Signal Word(s):** Warning

**Hazard Statement(s):** Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

**Precautionary Statement(s):** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. 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

1% of the mixture consists of ingredient(s) of unknown acute toxicity.

## 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:** MADACIDE-FD Germicidal Solution- 7022, 7023, 7024

**Revision Date:** 05-Apr-2016

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** 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:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminate 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

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. Eliminate sources of ignition.

**Environmental Precautions:** See Section 12 for ecological information.

### Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill 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). Scoop up material and place in a disposal container. Provide ventilation.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge. 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 non-sparking tools. 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

# SAFETY DATA SHEET

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

**Product:** MADACIDE-FD Germicidal Solution- 7022, 7023, 7024

**Revision Date:** 05-Apr-2016

**Storage Conditions:** Proper grounding procedures to avoid static electricity should be followed. Keep locked up and out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

**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:** In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin and Body Protection:** Wear suitable protective clothing.

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

**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:** Colorless liquid

**Odor:** Alcohol-like

**Odor threshold:** Not determined

**pH:** 7.6

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

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

**Flash point:** 30°C (86°F) TCC

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Flammable

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

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 0.97

**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.

# SAFETY DATA SHEET

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

**Product:** MADACIDE-FD Germicidal Solution- 7022, 7023, 7024

**Revision Date:** 05-Apr-2016

**Chemical stability:** Stable under recommended storage conditions. May form flammable/explosive vapor-air mixture.

**Possibility of hazardous reactions:** None under normal use.

**Conditions to avoid:** Heat. Incompatible materials. Sources of ignition.

**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. Handle empty containers with care because residual vapors are flammable.

## 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.

UN1987, Alcohols, n.o.s. (Isopropanol), 3, PG III

**DOT (Ground):** Regulated

**IATA (Air):** DO NOT SHIP – Required testing has not been conducted.

**IMDG (Vessel):** Regulated

## SECTION 15 – REGULATORY INFORMATION

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**Product:** MADACIDE-FD Germicidal Solution- 7022, 7023, 7024

**Revision Date:** 05-Apr-2016

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.

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:** 05-Apr-2016

**Revision Date:** 05-Apr-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**