

Material Safety Data Sheet

(Prepared According to 29 CFR 1910.1200)

MSDS 100

Identity: **DisCide® Ultra Disinfecting Towelettes**

Section I

Manufactured for: EPA#: 10492-4
Palmero Health Care Code#: 60DIS; 10DIS
120 Goodwin Place, Stratford, CT 06615
Fax (203) 377-8988 Date Prepared: 7/6/2010
Emergency Call: 800-255-3924 Prepared By: BD
Information Call: 203-377-6424

Section II Hazardous Ingredients/Identity Information

| Ingredient | PEL | TLV | % |
|------------------------------------|--------|--------|--------|
| Isopropyl alcohol (CAS#67-63-0) | 400ppm | 500ppm | 63.25% |
| Quaternary Ammonium Chlorides | N/A | N/A | < 1 |
| Inert Ingredients | N/A | N/A | 36.51 |

Section III Physical/Chemical Characteristics

pH: 6.88
Specific Gravity (Water=1): 0.87
Vapor Pressure (mm Hg.): 33mm Hg at 20C
Viscosity: 3.6583 Cst/s
Vapor Density (AIR=1): 2.1
Evaporation Rate (Butyl Acetate =1): 2.83
Solubility in Water: > 10% in water
Appearance and Odor: Clear and alcohol with herbal scent

Section IV Fire and Explosion Hazard Data

Flash Point: 81° F Closed Cup
Flammable Limits, air volume %: LEL 2.0
UEL 12.0
Extinguishing Media: Dry chemical or alcohol type foam

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel

Unusual Fire and Explosion Hazards: WARNING! This product is flammable. Respiratory protection required for fire fighting personnel. Stay upwind if possible. Cool exposed tanks with water.

Section V Reactivity Data

Stability: Stable Hazardous Polymerization: Will not Occur
Incompatibility (Materials to Avoid): Danger when exposed to heat, flame, or oxidizers
Hazardous Decomposition products: Toxic gases and vapors may be released in a fire involving isopropyl alcohol
Conditions to Avoid: Excess heat and open flame

Product Hazard Ratings (NFPA):

Health = 1, Fire = 3, Reactivity = 0, Protective Equipment = N/A
Insignificant Extreme
0 1 2 3 4

Carcinogenicity

NTP? No

IARC? Not classifiable, inadequate for humans

OSHA REGULATED? No

Section VI Health Hazard Data

Route(s) of Entry: Inhalation: X Eyes: X Skin: X Ingestion: No

SIGNS AND SYMPTOMS OF EXPOSURE: Mild irritation of the eyes, nose, and throat. Drowsiness, headache and incoordination may also occur. Swallowing isopropyl alcohol may cause drowsiness, unconsciousness and death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Acute: Vapor irritates eyes, nose, and throat. Liquid will temporarily damage eye tissue. Chronic: Not determined

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: remove person to fresh air

Eyes: Hold eye open and rinse slowly and gently with plenty of cool water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. attention

Skin: Wash with soap and water. If irritation persists, obtain medical attention.

Ingestion: Swallowing isopropyl alcohol may cause drowsiness, unconsciousness and death. Call a poison control center or doctor for treatment advice.

Section VII Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Remove all ignition sources. Ventilate area of spill or leak. Absorb and evaporate in a safe place. Prevent from entering sewers, water courses or low areas

Waste Disposal Method: Do not reuse towelette or empty container. Wrap towelette container and discard in trash. Disposal of Infectious Materials: Blood and other body fluids should be autoclaved and disposed according to Federal, State and local regulations for infectious waste disposal.

Precautions to Be Taken in Handling and Storing: Keep closed, do not handle or store near flame, heat, or strong oxidants. Adequate ventilation required. Do not contaminate water, food, or feed by storage and disposal. FLAMMABLE. Keep away from heat or open flame.

Other Precautions: When applying product to electrical equipment, ensure the equipment is grounded.

Section VIII Control Measures

Ventilation: Local Exhaust: Face Velocity > 60 fpm in confined space **Special:** None **Mechanical:** Explosion-proof ventilation equipment **Other:** No smoking or open lights

Protective Gloves: Wear disposable latex gloves, as appropriate, when handling HIV-1, HBV, and HCV infected blood or body fluids.

Eye Protection: Wear eye coverings, as appropriate, when handling HIV-1, HBV, and HCV infected blood or body fluids.

Other Protective Clothing or Equipment: Wear a face mask and protective gown, as appropriate, when handling HIV-1, HBV, and HCV infected blood or body fluids.

Work/Hygienic Practices: N/A

Section IX Other Regulatory Controls

Governmental Listing: EPA Registered

Section X Transportation Requirements (D.O.T. Classification)

Shipping Name: Consumer Commodity Hazard Class: ORM-D
UN1987 PG:3 Proper Shipping Name: Isopropyl Alcohol

NG:Negligible NA:Not Applicable NE:Not Established UN:Unavailable ND: Not Determined

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Beaumont Products, Inc.

MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Identification

Material name Citrus II Antimicrobial Hand Sanitizing Lotion
Revision date 09/14/10
Manufacturer Beaumont Products, Inc
1560 Big Shanty Dr
Kennesaw, GA 30144 USA
General Information 1/800-451-7096
Emergency In case of emergency please contact ChemTel: 1(800) 255-3924, Int'l (813) 248-0585

2. Hazards Identification

Emergency Overview Causes eye irritation. Do not swallow.
Acute Effects
Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
Skin Non-irritating under conditions of use. Prolonged or repeated contact may dry skin and cause.
Inhalation No known acute effects of this product resulting from inhalation.
Ingestion Do not swallow. Large quantities may cause nausea, upset stomach, and loss of appetite.
Chronic Effects Chronic toxic effects are unlikely under normal conditions of use.
Carcinogenic Effects Not listed as a carcinogen by OSHA, NTP or IARC.

3. Composition/Information on Ingredients

| <u>Components</u> | <u>CAS #</u> | <u>Percent</u> |
|-------------------------|--------------|----------------|
| Ethyl Alcohol (ethanol) | 64-17-5 | 69.0 % |

4. First Aid Measures

First aid procedures
Eye contact Check for and remove contact lens. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation develops or persists.
Skin contact This product is formulated for use on skin. If irritation, redness or discomfort is present, get medical attention.
Inhalation No known acute effects of this product resulting from inhalation. If excessive quantities inhaled, remove to fresh air.
Ingestion Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Seek medical attention or contact poison control immediately.

5. Fire Fighting Measures

Flash Point (method used) 70°F (21.1 °C), (Tagliabue, Closed Cup)
Flammability FLAMMABLE
Extinguishing Media DRY chemical powder. Carbon dioxide (CO₂), Foam.
Fire Hazard Flammable liquid and vapor. Vapor may cause flash fire.
Protective Equipment
Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent). Water spray to cool equipment and disperse vapors.

6. Accidental Release Measures

MATERIAL SAFETY DATA SHEET

| | |
|---------------------------|--|
| Personal precautions | Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. |
| Environmental precautions | Prevent further leakage or spillage, if safe to do so. |
| Methods for containment | Prevent entry into waterways, sewers, basements or confined areas. |
| Methods for cleaning up | Wear appropriate protective equipment and clothing during clean-up. |
| | Small Spills; Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. |
| | Large Spills: Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. |

7. Handling and Storage

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|----------|--|
| Handling | Keep away from heat, sparks, open flame or any other ignition source. Keep container closed. Avoid contact with eyes. Apply this product only as specified on the label. |
| Storage | Store in cool, well-ventilated place. Protect from freezing. Keep container tightly closed and dry. Keep out of the reach of children. |

8. Exposure Controls/Personal Protection

| | |
|---|--|
| Engineering controls: | Use general ventilations. Local exhaust is suggested for use, where possible, in enclosed or confined spaces. |
| Consumer protective equipment: | None needed under normal conditions of use. |
| Personal protective equipment for large quantities: | |
| General | Eye wash fountain and emergency showers are recommended. |
| Eye/face protection | Wear chemical goggles, Face-shield |
| Skin protection | Wear suitable protective clothing. Use impervious gloves. |
| Respiratory protection | if ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. |

9. Physical & Chemical Properties

| | | | |
|------------------|------------------------|---------------|-----------------------------|
| Physical state | Viscous liquid | Color | Clear. Colorless |
| pH | Not available | Odor | Alcohol scent |
| Flash point | 70°F (21.1 °C) (TCC) | Solubility | Completely soluble in water |
| Specific Gravity | 0.873 (Water =1) | Vapor Density | > 1 (Air=1) |
| Evaporation Rate | > 1 (Butyl Acetate =1) | | |

10. Stability & Reactivity

| | |
|----------------------------------|--|
| Chemical stability | Stable at normal conditions. |
| Incompatible materials | Avoid contact with oxidizing agents, excessive heat, sparks, open flame or ignition sources. |
| Hazardous decomposition Products | Upon decomposition, this product may yield carbon dioxide (CO ₂) and carbon monoxide (CO). |
| Hazardous Polymerization | Will not occur. |

MATERIAL SAFETY DATA SHEET

11. Toxicological Information

Toxicity to Animals Ethanol:
ORAL Rat (LD50): Acute 7060 mg/kg
DERMAL Rabbit (LD50): Acute 2000 mg/kg
VAPOR Rat (LC50): Acute 20,000 ppm 10 hour(s)

12. Ecological Information

Aquatic toxicity Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr
Ecotoxicity Not available
Biodegradable/OECD Not available

13. Disposal Considerations

Disposal instructions Waste must be disposed of in accordance with federal, state and local environmental control regulations. This product, if discarded as supplied, is considered a hazardous waste under RCRA, D001.

14. Transport Information

DOT CLASSIFICATION
ORM-D (Ground/Rail Transport)
Flammable liquids n.o.s (Contains ethyl alcohol) Class 3; UN1993; PG II (Air Transport)

15. Regulatory Information

US federal regulations This product is regulated under the US Federal Food, Drug, and Cosmetic Act.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 1
Flammability: 3
Physical hazard: 0
Personal protection: N/A

NFPA ratings Health : 1
Flammability: 3
Instability: 0

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MSDS Section Changes This document has undergone significant changes and should be reviewed in its entirety.