

Material Safety Data Sheet

PRODUCT CODE NUMBERS:
DYND75221

Component 51964, 27132
SECTION 1

ISSUE DATE: July 28, 2004

IDENTITY: **Chloraprep® 2%**

MARKETED OR DISTRIBUTED BY:

Medline Industries, Inc.
One Medline Place
Mundelein, IL 60060
1.800.MEDLINE

Emergency Telephone Information:
Contact Your Regional Poison Control Center

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components (Specific chemical identity, common name(s)) | CAS # | OSHA PEL | ACGIH TLV | Other limits Recommended | % (Optional) |
|--|---------|-------------|--------------|-----------------------------|-----------------|
| Isopropanol or Isopropyl alcohol | 67-63-0 | | 400 ppm | | 70% |
| Chlorhexidine Gluconate | | | | | 2% w/v |

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

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|--|---|
| Boiling point: ° NA | SP Gravity (water=1): 0.880 |
| Vapor pressure (mm Hg): N/A | Melting Point: Unknown |
| Vapor density (air=1): N/A | Evaporation Rate (butyl acetate=1): Unknown |
| Solubility in water: Complete | |
| Appearance and odor: Clear odorless liquid | |

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

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| Flash point (method used): 67° | | |
| Explosive limits: N/A | LEL: | UEL: |
| Extinguishing media: Water fog, alcohol fog, carbon dioxide, dry chemical halogenated agents. | | |
| Special Fire Fighting Procedures: Self contained breathing apparatus with full face piece and protective clothing. | | |
| Unusual Fire and Explosive Hazards: May explode if exposed to extreme heat or flame. | | |

SECTION 5 - REACTIVITY DATA

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| Stability: Stable; vapors are violent |
| Conditions to avoid: Extreme heat or flame |
| Incompatibility (materials to avoid): Oxidizing materials |
| Hazardous decomposition or byproducts: Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia |
| Hazardous polymerization: Will not Occur |

SECTION 6 - HEALTH HAZARD DATA

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|---|--|-------|--|-----------------|--|
| Route(s) of Entry: Inhalation: | | Skin: | | Ingestion: | |
| Health Hazards (acute and chronic): | | | | | |
| Carcinogenicity? | | NTP? | | IARC? | |
| | | | | OSHA Regulated? | |
| Signs and symptoms of exposure: | | | | | |
| Medical conditions generally aggravated by exposure: | | | | | |
| Emergency and First Aid procedures: | | | | | |
| <u>Skin contact: Wash materials off the skin with copious amounts of water. If redness or a burning sensation develops, seek medical attention and discontinue use. See product label.</u> | | | | | |
| <u>Eye contact: Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel immediately.</u> | | | | | |
| <u>Ingestion: Give individual at least two glasses of water to drink. If gastrointestinal symptoms develop.</u> | | | | | |

SECTION 7 - SPILL, LEAK, AND WASTE DISPOSAL PROCEDURES

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| Steps to be taken in case material is released or spilled: For small spills, mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills, eliminate sources of ignition and ventilate spill area. Wear skin, eye and respiratory protection during cleanup. Soak up liquid with absorbent and shovel into waste container. Cover container and remove from work area. Wash residue from spill area with water and flush to sewer serviced by a waste water treatment facility. |
| Waste Disposal Method: Follow all local, state and federal regulations. Is not a hazardous waste |
| Precautions to be taken in handling and storing: Avoid prolonged exposure (ingestion, inhalation, or skin) Avoid breathing vapors. |
| Other precautions: Store in cool dry, well ventilated area. Keep container closed |

SECTION 8 - CONTROL MEASURES

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|--|-----------------------|--|
| Respiratory Protection (specify type): If needed, use MSHA-NIOSH approved respirator for organic vapors. | | |
| Ventilation: | Local Exhaust: | Special: |
| As need to stay below exposure limits. | Mechanical (General): | Other: |
| Protective gloves: Rubber | | Eye Protection: Safety glasses. Full face shield in addition if splashing is possible. |
| Other protective clothing or equipment: Apron | | |
| Work/hygienic practices: | | |

SECTION 9 - SPECIAL PRECAUTIONS

None

SECTION 10 - ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable.

Medline Industries, Inc. provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.

Document Revision History:

Issued: July 28, 2004 New document

Component 05488

Material Safety Data Sheet

PRODUCT CODE NUMBERS:
DYND75221

SECTION 1

ISSUE DATE: 10-12-96

IDENTITY: **Alcohol Swabs**

MARKETED OR DISTRIBUTED BY:

Medline Industries, Inc.
One Medline Place
Mundelein, IL 60060
1.800.MEDLINE

Emergency Telephone Number:

Contact Your Local Poison Control Center

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S)) CAS # | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED | % (OPTIONAL) |
|--|-------------|-----------|-----------------------------|-----------------|
| Isopropyl alcohol (99%) CAS #67-63-0 | | | | |
| Each individual swab contains approximately 0.6 mL of application solution. The application solution consists of 70% isopropyl alcohol and 30% purified water. | | | | |

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

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| BOILING POINT: N/A | SP GRAVITY (WATER=1): Not applicable to swabs |
| VAPOR PRESSURE (MM HG): 4.4 kPa @ 20°C (for 99% alcohol only) | MELTING POINT: N/A |
| VAPOR DENSITY (AIR=1):2.07 (for 99% alcohol only) | EVAPORATION RATE(BUTYL ACETATE=1): 2.35 (for 99% alcohol only) |
| SOLUBILITY IN WATER: Not applicable for swabs | VOLATILITY/VOL(%): 99 (for 99% alcohol only) |
| APPEARANCE AND ODOR: Individually sealed alcohol impregnated swab with an alcohol odor when opened. | |

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

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|--|-------------------------------|--------------------------------|
| FLASH POINT(METHOD USED): 12 °C, TCC (for 99% alcohol only) | | |
| FLAMMABLE LIMITS: Flammable liquid on combustible tissue. AUTO IGNITION TEMPERATURE: 460°C (for 99% alcohol only) | LEL: 2 (for 99% alcohol only) | UEL: 12 (for 99% alcohol only) |
| EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, water. | | |
| SPECIAL FIRE FIGHTING PROCEDURES: Hazardous combustion products are fumes, smoke, and oxides of carbon. | | |
| UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Keep away from sources of extreme heat and from sources of ignition. | | |

SECTION 5 - REACTIVITY DATA

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|---|--------------------------|
| STABILITY: Stable | CONDITIONS TO AVOID: N/A |
| INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents | |

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|---|----------------------|
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A | |
| HAZARDOUS POLYMERIZATION: Will not Occur N/A | CONDITIONS TO AVOID: |

SECTION 6 - HEALTH HAZARD DATA

| | | |
|--|-----------|------------------------------|
| ROUTE(S) OF ENTRY: INHALATION: N/A | SKIN: N/A | INGESTION: N/A |
| HEALTH HAZARDS (ACUTE AND CHRONIC): For 99% alcohol only: Inhalation: Low to moderate toxicity. Vapors in high concentrations are irritating and anesthetic. Eye Contact: May cause irritation and lead to damage if exposure persists. Skin Contact: Frequent or prolonged use may cause skin irritation and dermatitis. Ingestion: Low order of toxicity. | | |
| CARCINOGENICITY? N/A | NTP? N/A | IARC? N/A OSHA REGULATED?N/A |
| SIGNS AND SYMPTOMS OF EXPOSURE: N/A | | |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A | | |
| EMERGENCY AND FIRST AID PROCEDURES: For 99% alcohol only: Contact with Eyes: If eye contact occurs immediately flush with water for 15 minutes. If irritation persists obtain medical attention. Contact with Skin: Wash with soap and water. Inhalation: Remove from contaminated area. Apply artificial respiration if breathing has stopped. Call physician. Ingestion of Swabs: Not normal route of exposure. However, if ingested, remove swab and rinse mouth with water. Do not induce vomiting. Keep at rest and call a physician. | | |

SECTION 7 - SPILL, LEAK, AND WASTE DISPOSAL PROCEDURES

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Due to product packaging (swabs), the chance of a spill is negligible. |
| WASTE DISPOSAL METHOD: Disposed of used swab as normal household trash. |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store product in cool place. The individual swabs are for external application only. |

SECTION 8 - CONTROL MEASURES

| | | |
|---|---------------------------|---------------------|
| RESPIRATORY PROTECTION (SPECIFY TYPE): N/A | | |
| VENTILATION: | LOCAL EXHAUST: N/A. | SPECIAL: N/A |
| | MECHANICAL (GENERAL): N/A | OTHER: N/A |
| PROTECTIVE GLOVES: N/A | | EYE PROTECTION: N/A |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A | | |
| WORK/HYGIENIC PRACTICES: N/A | | |

SECTION 9 - SPECIAL PRECAUTIONS

None

SECTION 10 - ADDITIONAL INFORMATION

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Revised: 10/25/01 Changed telephone number

PRODUCT CODE NUMBERS: MSC1500

Material Safety Data Sheet

PRODUCT CODE NUMBERS:

DYND75221

SECTION 1

ISSUE DATE: November 30, 2001

IDENTITY: **Sureprep Skin Wipes**

MARKETED OR DISTRIBUTED BY:

Medline Industries, Inc.

One Medline Place

Mundelein, IL 60060

1.800.MEDLINE

Emergency Telephone Information:

Contact Your Regional Poison Control Center

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components (Specific chemical identity, common name(s)) | CAS # | OSHA PEL | ACGIH TLV | Other limits Recommended | % (Optional) |
|--|---------|-------------|--------------|-----------------------------|-----------------|
| Isopropyl Alcohol | 67-63-0 | 400 ppm | 400 ppm | N/A | |

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|--|--|
| Boiling point: 180 ⁰ | SP Gravity (water=1): 0.85 for wipe |
| Vapor pressure (mm Hg): 33 | Melting Point: N/A |
| Vapor density (air=1): Heavier | Evaporation Rate (butyl acetate=1): Faster |
| Solubility in water: Limited | |
| Appearance and odor: Yellow, slightly, viscous liquid with an isopropanol odor | |

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

| | | |
|--|-------------|--------------|
| Flash point (method used): 50 degrees F. tag closed cup | | |
| Flammable limits: | LEL: 20,000 | UEL: 120,000 |
| Extinguishing media: Water, dry chemical, CO2 | | |
| Special Fire Fighting Procedures: None | | |
| Unusual Fire and Explosive Hazards: VAPOR FORMS FLAMMABLE/EXPLOSIVE MIXTURE WITH AIR BETWEEN UPPER AND LOWER FLAMMABLE LIMITS. | | |

SECTION 5 - REACTIVITY DATA

| |
|---|
| Stability: Stable |
| Conditions to avoid: |
| Incompatibility (materials to avoid): No specific incompatibility |
| Hazardous decomposition or byproducts: NONE KNOWN |
| Hazardous polymerization: Will not occur |
| Conditions to avoid: |

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SECTION 6 - HEALTH HAZARD DATA

| | | | | | |
|---|--|-------------|--------------|-----------------|--|
| Route(s) of Entry: Inhalation: X | | Skin: | | Ingestion: X | |
| Health Hazards (acute and chronic): Vapors may cause narcosis, eye contact will irritate eyes. Use accepted cautions for use of isopropyl alcohol | | | | | |
| Carcinogenicity? | | NTP? N/A | IARC? N/A | OSHA Regulated? | |
| Signs and symptoms of exposure: Narcosis if overexposed to vapors | | | | | |
| Medical conditions generally aggravated by exposure: Breathing difficulties | | | | | |
| Emergency and First Aid procedures: Skin contact: NOT A PRIMARY SKIN IRRITANT. Eye contact: Flush eyes with water for 15 minutes. CONSULT A PHYSICIAN Inhalation: REMOVE TO FRESH AIR Ingestion: CONSULT A PHYSICIAN | | | | | |

SECTION 7 - SPILL, LEAK, AND WASTE DISPOSAL PROCEDURES

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|---|--|
| Steps to be taken in case material is released or spilled: Soak up with disposable cloth for small spills or sand or earth for large spills and put in covered containers. Flush spill area with water. | |
| Waste Disposal Method: Incinerate | |
| Precautions to be taken in handling and storing: Keep away from heat, sparks, and open flame. | |
| Other precautions: | |

SECTION 8 - CONTROL MEASURES

| | | |
|---|---------------------------|--------------------------------|
| Respiratory Protection (specify type): | | |
| Ventilation: | Local Exhaust: N/A | Special: N/A |
| | Mechanical (General): N/A | Other: N/A |
| Protective gloves: None necessary | | Eye Protection: None necessary |
| Other protective clothing or equipment: N/A | | |
| Work/hygienic practices: N/A | | |

SECTION 9 - SPECIAL PRECAUTIONS

None

SECTION 10 - ADDITIONAL INFORMATION

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