



# MATERIAL SAFETY DATA SHEET

MSDS: 409  
REV. DATE: 2/12  
PAGE 1 OF 2

## Section I - PRODUCT IDENTIFICATION

**ZEE MEDICAL, INC.**

22 Corporate Park  
Irvine, CA 92606  
800/841-8417  
Emergency Phone No. (CHEMTREC): 800/424-9300

TRADE NAME:

**Clean 'n Safe Towelettes**  
#5103, 5104

## Section II - HAZARDOUS INGREDIENTS

| <u>INGREDIENT</u>                   | <u>%</u> | <u>CAS NUMBER</u> | <u>PEL, OSHA (mg/M<sup>3</sup>)</u> | <u>TLV, ACGIH (mg/M<sup>3</sup>)</u> |
|-------------------------------------|----------|-------------------|-------------------------------------|--------------------------------------|
| Isopropyl alcohol                   | 25       | 67-63-0           | 400                                 | 400                                  |
| Dipropylene glycol monomethyl ether | 0.1      | 34590-94-8        | 100                                 | 100                                  |
| Other non-hazardous ingredients     | 74.9     | N/A               | N/E                                 | N/E                                  |

## Section III - PHYSICAL DATA

Boiling Point: 183 F

Specific Gravity: 0.960

Vapor Pressure: (mm Hg): 33

Melting Point: N/A

Vapor Density: 1.6 (Air=1)

Evaporation Rate: 1.7

Solubility In Water: Complete

Appearance and Odor: Clear, colorless liquid with alcohol odor.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 80 F (TCC)

Flammability Limits in Air (% by Volume): LEL 2.5%, UEL 12.0%

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam, water fog.

Special Fire Fighting Procedures: Use full gear including positive pressure NIOSH approved self-contained breathing apparatus. Cool exposed containers with water.

Unusual Fire and Explosion Hazards: None

NFPA Hazard Rating: Health: 1 Flammability: 3 Reactivity: 0 Special: N/A

HMIS Hazard Rating: Health: 1 Flammability: 3 Reactivity: 0

Hazard Index: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

**Section V - HEALTH HAZARD DATA**

Primary Routes of Entry: Skin contact, eye contact, ingestion, inhalation.

Health Hazards: Short term exposure to high air concentrations may cause mild irritation of eyes, nose and throat. Ingestion may cause drowsiness and unconsciousness, nausea, vomiting and diarrhea. Prolonged skin contact may cause drying and cracking of skin.

Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Emergency First Aid Procedures: Eye contact: Rinse eyes with large amounts of water. Seek medical attention as soon as possible. Inhalation: remove from area of exposure. If breathing has stopped, perform artificial respiration.

**Section VI - REACTIVITY DATA**

Stability: Stable Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Carbon monoxide and unidentified organic compounds may be formed upon combustion.

Incompatibilities: Avoid heat sparks, flame. Avoid contact with oxidizing agents. Do not store at temperatures above 120 F.

**Section VII - SPILL AND DISPOSAL PROCEDURES**

Spill: Eliminate all ignition sources. Handling equipment must be properly grounded. For large spills, evacuate area of unauthorized personnel. Cover with absorbent material (sand or vermiculite for large spills). Collect in suitable container.

Disposal: Dispose of in accordance with local, state and federal regulations.

**Section VIII - SAFE HANDLING AND USE INFORMATION**

Respiratory Protection: If TLV is exceeded, use NIOSH approved respirator.

Ventilation: General mechanical. Local exhaust may be required if TLV is exceeded.

Protective Equipment: Eye protection and protective clothing as necessary to prevent excessive contact.

**Section IX - SPECIAL PRECAUTIONS**

Eyewash station should be available for emergency use.

N/A = Not applicable  
N/E = Not established