



MATERIAL SAFETY DATA SHEET

MSDS: 305
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: **Instant Cold Spray**
#2325

Section II - HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PEL, OSHA (ppm)</u>	<u>TLV, ACGIH (ppm)</u>
n-Butane	106-97-8	800	800
Isopentane	78-78-4	N/E	N/E

Section III - PHYSICAL DATA

Boiling Point: 31 F
Specific Gravity: 0.580
Vapor Pressure: (mm Hg): 1639
Melting Point: -138 C
Vapor Density: >1
Evaporation Rate: >1
Solubility In Water: Negligible
Appearance and Odor: Clear, colorless gas with light hydrocarbon odor.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: -100 F
Flammability Limits in Air (% by Volume): LEL = 1.4%, UEL = 9.5%
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: Use water spray to cool containers.
Unusual Fire and Explosion Hazards: Containers generate pressure when heated, causing violent bursting and dangerous propelling of containers.
NFPA Hazard Rating: Health: 1 Flammability: 4 Reactivity: 0 Special: N/A
HMIS Hazard Rating: Health: 1 Flammability: 4 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, inhalation.

Health Hazards: Simple asphyxiant. May cause dizziness, disorientation, headache, excitation, central nervous system depression, and anesthesia if exposure limits are exceeded. Skin contact may cause freeze burns.

Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Emergency First Aid Procedures: Skin contact: For freeze burns, warm the affected area by immersing in warm (not hot) water or by covering with blanket or clothing. Seek medical assistance if necessary. Inhalation: Move to fresh air at once. If breathing has stopped, perform artificial respiration and contact a physician immediately.

Section VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Toxic gases may be released during fire.

Incompatibilities: Oxygen, strong oxidizers.

Section VII - SPILL AND DISPOSAL PROCEDURES

Spill: Remove all sources of ignition. Ventilate area thoroughly.

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

Section VIII - SAFE HANDLING AND USE INFORMATION

Respiratory Protection: If TLV or PEL is exceeded, use NIOSH approved supplied air respirator.

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

Protective Equipment: Generally not required.

Section IX - SPECIAL PRECAUTIONS

Do not store near heat sources such as radiators, open flames, stoves, heaters, etc. Keep in cool dry place at temperature below 130 F. Do not incinerate cans. Do not puncture containers. Do not spray near flame or while smoking. Use only as directed on label.

N/A = Not applicable

N/E = Not established