10-19-2020: File reviewed, more current MSDS/SDS not available. JMC

ZEE AMERICA'S FIRST AID AND SAFETY RESOURCE®

MATERIAL SAFETY DATA SHEET

MSDS: **706**
REV. DATE: 2/12

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: **Ammonia Inhalants**
#2601

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS NUMBER	PEL, OSHA (ppm)	TLV, ACGIH (ppm)
Ethyl alcohol	35-40	64-17-5	1000	1000
Ammonium hydroxide	15-22	1336-21-6	*	*
Ammonium carbonate	3-4	8000-73-5	*	*
Aromatic Oils	<1	N/A	N/E	N/E

*As Ammonia: OSHA PEL is 50 ppm, ACGIH TLV is 25 ppm, OSHA STEL is 35 ppm.

Section III - PHYSICAL DATA

Boiling Point: 82 F*

Specific Gravity: 0.893

Vapor Pressure: (mm Hg): 570*

Melting Point: N/A

Vapor Density: 0.6 (Air=1)*

Evaporation Rate: 0.65 (water=1) *

Solubility In Water: Complete

Appearance and Odor: Slightly red liquid, pungent suffocating odor.

*Data for most volatile component (ammonium hydroxide).

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 87 F (TOC)

Extinguishing Media: Water fog, foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: Use full gear including pressure NIOSH approved self-contained breathing apparatus.

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

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Section V - HEALTH HAZARD DATA

Primary Routes of Entry: Eye or skin contact, Inhalation, Ingestion.

Health Hazards: Eye contact may cause burning and tearing of the eyes. Extended skin contact may cause irritation and burning of the skin. Inhalation: Exposure may cause irritation and burning of nose and throat.

Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Emergency First Aid Procedures: Eye Contact: Flush immediately with large amounts of water (at least 15 minutes). Contact a physician immediately. Skin contact: Flush with large amounts of water. If redness or irritation persists, contact a physician. Inhalation: Move to fresh air at once. If breathing has stopped, perform artificial respiration and contact a physician immediately. Ingestion: If person is conscious, immediately give large amounts of water to dilute the ammonia. Do not induce vomiting. Contact a physician immediately.

Section VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

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

Incompatibilities: Metals, halogens, bleach, acids and chlorites.

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. Full protective clothing must be worn. Respirator protection as described below must be used if TLV or PEL is exceeded. Cover spill with absorbent material (e.g. sand or vermiculite). Collect in a sealed plastic glass storage container.

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

Section VIII - SAFE HANDLING AND USE INFORMATION

Respiratory Protection: If TLV or PEL is exceeded, use full-face NIOSH approved air purifying respirator with cartridge approved for use in atmosphere containing ammonia.

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

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

Section IX - SPECIAL PRECAUTIONS

None

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