

Section 4: First Aid Measures

INHALATION:

Remove to fresh air, if not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

SKIN CONTACT:

Immediately remove contaminated clothing and footwear from affected areas. Rinse affected areas with water for a minimum of 15 minutes. Wash affected areas with soap and water. Get medical attention.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes. If victim is wearing contact lenses, remove the lenses and rinse. Get medical attention immediately.

INGESTION:

If swallowed, get medical attention immediately.

Section 5: Fire-fighting Measures

FLASH POINT: NA

FLAMMABLE LIMITS IN AIR (% by vol): NA

EXTINGUISHING MEDIA: Dry Chemical, CO²

SPECIAL FIREFIGHTING PROCEDURES:

Wear supplied breathing air and other protective equipment. Work from the upwind side of the fire. Use suitable extinguishing agents. Call 911.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment and keep unnecessary people away. Place in a chemical waste container. Clean up in accordance with Federal, State and local regulations.

DISPOSAL METHOD:

Disposal should be made in accordance with Federal, State and local regulations.

Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool, dry place at room temperature (~21 °C), do not refrigerate.

Keep container closed when not in use.

Wear proper protective equipment when handling this material.

Use material only in accordance with manufacturer specifications.

Keep out of reach of children.

Follow all regulations in accordance with Federal, State and local regulations.

Section 8: Exposure Controls/Personal Protection

EXPOSURE GUIDELINES: Ethanol Component [64-17-5]

ACGIH TLV-TWA: 1000ppm / 1880mg/m³ [Component]

ACGIH STEL: NA

OSHA PEL: 1000ppm / 1880mg/m³ [Component]

AIHA WEEL – TWA: NA

REMAINING COMPONENTS OF THIS MATERIAL DO NOT HAVE ESTABLISHED EXPOSURE GUIDELINES

VENTILATION:

Always provide good general, mechanical, room ventilation where this material is handled.

SPECIAL VENTILATION CONTROLS:

None

RESPIRATORY PROTECTION:

NA

PROTECTIVE GLOVES: Wear and change frequently

EYE PROTECTION: Approved Safety Glasses

PROTECTIVE CLOTHING:

Wear suitable clothing as required by internal guidelines.

OTHER EQUIPMENT:

NA

WORK/HYGIENE PRACTICES:

Use universal good management practices in accordance with accepted guidelines.

Section 9: Physical and Chemical Properties

BOILING POINT: Unknown

VAPOR PRESSURE: NA

VISCOSITY: NA

SPECIFIC GRAVITY(@25 °C): NA g/mL

% VOLATILE by VOLUME ~30-90%

EVAPORATION RATE : NA

SOLUBILITY IN WATER: Slightly Soluble

PHYSICAL STATE: Liquid

ODOR: Ethanol

Section 10: Stability and Reactivity

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid Strong Oxidizing Agents

HAZARDOUS POLYMERIZATION: Will not occur under normal temperatures and pressures.

HAZAROUS PRODUCTS OF DECOMPOSITION: No information is available

Section 11: Toxicological Information

Note: Details of toxic effects not reported other than lethal dose value.

XDV098 ACUTE TOXICITY (LD₅₀)

LD₅₀ (Oral/Rat): 2000mg/kg

CHRONIC AND SUBCHRONIC TOXICITY: No information is available.

TERATOGENIC AFFECTS: No information is available.

MUTAGENIC AFFECTS: No information is available.

OTHER INFORMATION: No information is available.

Section 12: Ecological Information

BIODEGRADATION: No information is available.

BIOACCUMULATION: No information is available.

AQUATIC TOXICITY: No information is available.

OTHER INFORMATION: Do not allow material to be released to the environment without proper regulatory permits.

Section 13: Disposal Considerations

Do not dispose of unlawfully. Observe all federal, state, and local laws in your area.

Section 14: Transport Information

Ship as 'Limited Quantity, Ethanol, 3, UN1170, PG II' in accordance with DOT regulations.

Section 15: Regulatory Information

Regulatory classification has not been determined.

Section 16: Other Information

FOR INDUSTRIAL USE ONLY:

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