

MATERIAL SAFETY DATA SHEET

ISOPROPYL ALCOHOL

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Product/Chemical Name: ISOPROPYL ALCOHOL

Formula: CH₃CH(OH)CH₃

Physical Description: Colorless liquid with an odor of alcohol
Boiling Point: 180°F (82°C) Specific Gravity: 0.7855 Water soluble

Special Hazards: Self-contained breathing apparatus required

Unusual Fire/Explosion Hazards: Dangerous fire hazard when exposed to heat or flame.

Reactivity: N/A

Hazardous Decomposition Products:

Spill or Leak Procedures

Action: Wipe up with an absorbent paper and discard in accordance with applicable rules and regulations.

Disposal Method: To be performed in compliance with all current local, state and federal regulations.

Threshold Limit Value: 400 ppm (980mg/m³) OSHA TWA; 500 ppm (1225 mg/m³) OSHA STEL. 400 ppm (980mg/m³) ACGIH TWA; 500 ppm (1225 mg/m³) ACGIH STEL. 400 ppm NIOSH recommended 10 hour TWA; 800 ppm NIOSH recommended 15 minute ceiling.

Overexposure Effects: Repeated or prolonged exposure may cause dermatitis due to the defatting action on the skin. CNS depression may occur with headache, dizziness, flushing, incoordination, stupor, confusion, hypotension, areflexia, and refractory narcosis. Oliguria followed by diuresis and coma may also occur.

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approx. 15-20 minutes). Get medical attention immediately.

Eyes: Check for and remove any contact lenses. Flush eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains (approx. 15-20 minutes). Get medical attention immediately.

Ingestion: Check for and remove any dentures. In respiratory depression, give oxygen by artificial respiration. Give activated charcoal. Get medical attention immediately.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped perform CPR. Keep person warm and at rest. Get medical attention immediately.

Special Protection Information

Exhaust ventilation recommended. Protective gloves and safety goggles required.

Special Handling Precautions

Hazard class: Flammable liquid