

Material Safety Data Sheet

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Ramsey, MN 55303  
SECTION I - PRODUCT

PRODUCT NAME: ISOPROPANOL 70% USP  
PRODUCT NUMBER: 4330  
DATE OF PREPARATION: 1 / 01 / 01  
REPLACES: 1 / 01 / 00  
HMIS RATING: HEALTH 1  
FLAMMABILITY 3  
REACTIVITY 0  
EMERGENCY PHONE NUMBER: CHEMTREC (800) 424-9300

SECTION II - HAZARDOUS INGREDIENTS

PRODUCT NAME CAS # VAPOR PRESSURE TLV UNITS  
( mm Hg)  
CHEMICAL NAME PERCENT PEL UNITS

ISOPROPYL ALCOHOL 99% USP 67-63-0 33.0 400 PPM  
2- PROPANOL >9% 400 PPM

DEIONIZED WATER-UV STERILIZED 7732-18-5 N.E.  
WATER >9% N.E.

SECTION III - PHYSICAL DATA

BOILING RANGE: 180 - 212 DEG F  
VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN ETHER  
PERCENT VOLATILE BY VOLUME: 100%  
WEIGHT / GALLON: 7.32 LBS / GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CLASSIFICATION OSHA: FLAMMABLE LIQUID- CLASS IB  
DOT: 3  
FLASH POINT (TCC) : > 53 DEG F  
LOWER EXPLOSION LIMIT % BY VOLUME ( IN AIR ) : > 2.0  
EXTINGUISHING MEDIA : Carbon dioxide. Dry chemical. Alcohol-type foam. Water spray. Universal- type foam.  
SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus. Wear full protective clothing.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors form from this product and may settle in low places, travel along the ground, or move by air currents to be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from handling point.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INGESTION: Nausea. Vomiting. Diarrhea. Drowsiness. Cramps. Loss of consciousness.  
SKIN ABSORPTION: No evidence of adverse effects from available information.  
INHALATION: Headache. Drowsiness. Irritation.  
CHRONIC EFFECTS OF OVEREXPOSURE: No evidence of adverse effects from available information.  
OTHER HEALTH HAZARDS: None currently known.  
PRIMARY ROUTE (S) OF ENTRY: No information furnished by manufacturer.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call physician.  
SKIN: Flush skin with water. Remove and wash contaminated clothing promptly.  
INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.  
EYES: In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

#### SECTION VI - REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Heat. Ignition sources. Fire.

INCOMPATIBILITY: Nitric acid. Sulfuric acid. Strong oxidizing agents. Aldehydes. Halogens. Halogens compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

#### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contact local authorities.

WASTE DISPOSAL: Reclamation in accordance with all federal, state, and local regulations. Incineration in accordance with all federal, state, and local regulations.

#### SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Supplied-air respirator approved by NIOSH in areas of high concentration.

VENTILATION: General (mechanical) room ventilation to maintain vapor levels below TVL is expected to be satisfactory. Keep this product in closed equipment. Special, local ventilation is needed at points where vapors or mists are expected to escape to the workplace air.

PROTECTIVE GLOVES: Consult the glove manufacturer for the most appropriate glove material.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower.

#### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes. Use with adequate ventilation. Keep away from heat, sparks, and flame. Wash thoroughly after handling. Keep container closed. FOR INDUSTRIAL USE ONLY.

OTHER PRECAUTIONS: This product can be biodegraded, at low concentrations in water, in a biological wastewater treatment plant.

#### Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Percent by

CAS# Chemical Name Weight

N/A N/A N/A

This information must be included in all MSDSs that are copied and distributed for this material.