

Nasco

AMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL. OSHA requires that this form be kept on file.

Product No. KM 635 M
Product Name ISOPROPYL ALCOHOL

Principal Hazardous Component(s)
Isopropyl Alcohol

Chemical Synonyms
2-Propanol

Table with 2 columns: Hazard Category, Value. Health Hazard: 1, Flammability: 4, Reactivity: 2.

Formula: CH3CHOHCH3
C.A.S. No.: 67-63-0

TLV Units: N/A

Specific Gravity (40-20): 0.79
Percent Volatile by Volume (%): 100 %
Evaporation Rate (at 20°C): 1.7

Melting Point (°F): -90° C
Boiling Point (°F): 82° C
Vapor Pressure (mm Hg): 33 @ 25° C
Vapor Density (Air=1): 2.1
Solubility in Water: 100 %
Appearance & Odor: Clear colorless liquid, mild odor

Flash Point (Method Used): 12° C closed cup
Flammable Limits in Air % by Volume: Lower 2.0, Upper 12.0

Extinguisher: Water spray, dry chemical, alcohol foam, or carbon dioxide. Water spray may be used on kept in exposed containers cool.

Special Handling Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Water may be used to dilute spills to a non-flammable mixture.

Unusual Fire and Explosion Hazards: FLAMMABLE! Autoignition temperature 399°C. Above flash point, vapor air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire or explosion.

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D.O.T. | Impregnated with 10% PC-1

400 ppm (TWA)

Effects of Overexposure: Acute: irritation to skin, eyes, lungs, mucous membranes, and GI tract. Nausea, narcosis, drowsiness, dizziness. Chronic: Dermatitis

Emergency and First Aid Procedures: Skin: Remove contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. CALL A PHYSICIAN IMMEDIATELY. If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Stability: Stable Unstable
Conditions to Avoid: Avoid heat and ignition sources.

Incompatibility (Materials to Avoid): Strong oxidizer, aluminum, perchloric acid, ethylene oxide

Hazardous Decomposition Products: Carbon oxides.

Hazardous Polymerizations: Conditions to Avoid: None

Spills to be taken in case material is released or spilled: Ventilate area of leak or spill. Remove all sources of ignition. Clean up spill of liquid protective clothing and respiratory protection from vapors. Small spills may be absorbed on paper towels or other porous material in clear hood, then give contents suitable location away from combustible materials. Contain and recover liquid after possible.

Waste Disposal Method: Do not pour, flush, or discharge to sewer. Store in closed container. If stored in the closed container as a can be cleaned from spill in RCA approved container. If stored with wet towels, dry and store in similar outside. Scoop up with non-sparking tools and place in closed container, and dispose in a RCA approved facility. Do not re-use.

Respiration Protection (Specify Type): Organic cartridge.

Protective Gloves: Poly or rubber
Eye Protection: Goggles
Other Protective Equipment: Lab coat

Precautions to be taken in handling & storing: Store in cool, well ventilated place.

Other Precautions: Approved for use in confined spaces. Other persons with pre-existing skin, eye, respiratory disorders may be more susceptible.

Approved by: Steven C. Ousens
Effective Date: 05/20/95

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