

Section 1 - IdentificationProduct Name: **Isopropyl Alcohol, 70%**

Revised: 5/26/16

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Section 2 - Hazards Identification

Hazard categories: Flammable liquid 2; Eye Corrosion/Irritation 2A; Specific Target Organ Toxicity (single exposure)-Respiratory System 3

Hazard statements: Highly flammable liquid and vapor. Causes serious eye irritation.
May cause drowsiness or dizziness.

Signal word: Danger

Pictograms: Flame; Exclamation

Precautionary statements

Prevention

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves such as latex and eye protection such as safety glasses with side shields. Wash hands thoroughly after handling. Avoid breathing vapors. Use only outdoors or in well-ventilated area.

Response**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical attention.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention.**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell.**In case of fire:** Use B or C fire extinguisherStorage: Store in well-ventilated place. Keep cool. Store locked up.Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Isopropyl alcohol	67-63-0	70%
Water	7732-18-5	30%

Section 4 - First Aid Measures**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. If eye irritation persists: Get medical attention.**Skin Contact:** Rinse skin with water or shower. If irritation develops and persists, get medical attention.**Inhalation:** Move the person to fresh air. If irritation persists, get medical attention. If not breathing give artificial respiration and get medical attention immediately.**Ingestion:** If swallowed, get medical attention immediately. Do not induce vomiting.**Section 5 - Fire-Fighting Measures****Flash Point:** 54° F (12° C) ASTM D-56 Closed Cup.**Autoignition Temperature:** 750° F (399° C)**Lower Explosive Limit:** 2%**Upper Explosive Limit:** 12%**Extinguishing Media:** Any except direct water stream.**Special Fire Fighting Procedures:** Burning liquids may be extinguished by dilution with water. Direct water stream may spread fire.**Unusual Fire And Explosion Hazards:** Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Product or vapors are readily ignited by static discharge. Containers may rupture or explode when heated in a fire.**Section 6 - Accidental Release Measures****Steps To Be Taken If Material Is Released Or Spilled:** Eliminate all sources of ignition. Take precautionary measures against static discharges. Dilute small spills (a quart or less) with water to reduce flammability and wipe or mop up. Wear proper protective equipment. With larger spills, spread absorbent material such as oil dry to prevent spreading or entry into sewers. If feasible, larger spills may also be diluted with water (1:1 or greater) to reduce flammability.

Section 7 - Handling and Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store in direct sunlight. Keep away from heat and sources of ignition. Empty containers retain product residue and all precautions apply to them.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Isopropyl alcohol	67-63-0	70%	400 ppm(1,2,4), 200 ppm(3)	500 ppm(2,4), 400 ppm(3)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

Ventilation: Use with adequate ventilation. Avoid enclosed or poorly ventilated areas.

Respiratory Protection: None when used in small quantities. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Gloves: With prolonged or frequent exposure wear rubber, latex or nitrile gloves. Disposable latex are acceptable for light exposures.

Eye Protection: Safety glasses with side shields or chemical goggles.

Other Protective Equipment: An eyewash station should be located within 10 seconds travel time of concentrate use/mixing areas.

Section 9 - Physical and Chemical Properties

Appearance and Odor: Clear, colorless liquid with characteristic isopropyl alcohol odor.	
Odor Threshold: Not Available	Vapor Pressure: 33 mmHg @ 20 °C
pH: Not applicable	Vapor Density: 2.1 (Air = 1.0) heavier than air
Melting Point: Not Available	Relative Density (Specific Gravity): 0.85
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 180° F. (82° C.)	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: 110° F. ASTM D-56 Closed Cup.	Decomposition Temperature: Not Available
Evaporation Rate: ~1 (Water = 1): 7.7	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 100%
Upper Explosive Limit: None	V.O.C.: 70% - 550 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Strong oxidizing agents, Acids

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes – concentrate causes moderate irritation, redness, tearing. Pain may be disproportionate to the level of irritation. Vapors may cause irritation, redness, tearing.

Skin - may cause irritation, drying and defatting. Skin contact may aggravate existing dermatitis.

Swallowing – May cause central nervous system depression, nausea, vomiting, facial flushing, low blood pressure or irregular heartbeats.

Breathing – light exposure on likely to be hazardous. Excessive inhalation of mist or vapors may cause irritation to the nose and throat. Extreme or prolonged inhalation (400 ppm or over) may cause incoordination, confusion, low blood pressure, respiratory arrest or even death in very extreme cases.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Eliminate all sources of ignition. Soak up with inert absorbent material. Use spark-proof tools and explosion-proof equipment. Keep in suitable and closed containers for disposal. Take precautionary measures against static discharges. Do not dispose of concentrate in sewers.

Section 14 - Transport Information

D.O.T. Hazard Class: UN1219, ISOPROPANOL, 3, PG II.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:1 F:3 I:0 **HMIS® III:** H:1 F:3 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 5/1/12. GHS conversion.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.