

**Section 1: Chemical Product and Company Identification**

Product Identification: **Isopropyl Alcohol**

Catalog code

CAS# Mixture

RTECS : RV0540000

TSCA : TSCA 8(b) Inventory : Isopropyl Alcohol

**U.S. Chemical Funeral Supplies**

300 N.E. 59 St Miami, FL 33137

US Sale: 800-423-6366

International Sales: 305-757-6688

CI#: Not Applicable

Synonym: sec-PROPYL ALCOHOL, ISOPROPANOL

Propan-2-OL, IPA

Chemical Name: Isopropyl Alcohol

Chemical Formula: N/A

CHEMTREC (24HR Emergency Tel.) 1-800-424-9300

International CHEMTREC Tel. 703-527-3887

**Section 2: Hazards Identification**

**Classification of the substance or mixture**

Highly flammable. Irritating to eyes. Vapors may cause drowsiness and dizziness.

**Label Elements:**



**Section 3: Composition and Information on Ingredients**

**Composition:**

<u>Name</u>	<u>CAS #</u>	<u>% by Weight</u>
Isopropyl Alcohol	67-63-0	100

**Toxicological Data on Ingredients:** Not available.

**Section 4: First Aid Measures.**

**General advice:**

In all cases of doubt or all symptoms persist, always seek medical attention.

**If inhaled:**

Move affected person to fresh air. If recovery not rapid, seek medical attention. If breathing stops, provide artificial respiration. Keep affected person warm and at rest.

**In case of Ingestion:**

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx .500ml). Keep patient at rest and obtain medical attention.

**In case of eye contact:**

Rinse immediately with copious amounts of water. If irritation or discomfort persists, seek medical attention.

**If skin contact:**

Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.

**Section 5: Fire and Explosion Data****Extinguishing Media:**

Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Halon. Carbon dioxide (CO<sub>2</sub>).

**Special Fire Fighting Procedures:**

Use gentle application of water spray to keep exposed containers cool or to dissipate vapor.

**Unusual Fire & Explosion Hazards:**

May explode when heated or when exposed to flames or sparks. Vapor may travel considerable distance to source of ignition and flash back.

**Hazardous Combustion Products:**

Burning will produce oxides of carbon.

**Protective Measure in Fire:** Fire fighters should wear self-contained breathing apparatus.

**Section 6: Accidental Release Measures****Personal precautions, protective equipment and emergency procedures:**

Wear appropriate protective clothing. Eliminate all sources of ignition. Do not breathe vapor or fumes. Ventilate area to dispel residual vapor or fumes.

**Environmental precautions:**

Prevent contamination of soil, drains and surface water.

**Methods and materials for containment and cleaning up:**

Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements. Absorb small quantities with paper towels or other inert material and allow to evaporate in safe place (fume hood/cupboard).

**Section 7: Handling and Storage****Precautions for safe handling:**

HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Spillages will create a fire hazard. Avoid vapors formation and ignition sources. Avoid inhalation of vapors. Ensure good ventilation and local exhaust extraction in work place. (engineering controls must be to explosion/flameproof standard). Earth container and transfer equipment to eliminate accumulation of static charge.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidizing agents, heat and flames.

**Specific end use(s):**

Flammable liquid storage.

**Section 8: Exposure Controls / Personal Protection****Ventilation:**

Provide adequate general and local exhaust ventilation. Work in fume cupboard.

**Respirator:**

For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapor cartridge is recommended.

**Protective gloves:**

Use impervious gloves made of butyl rubber or PVC.

**Eye protection:**

Approved chemical safety goggles or faces protection.

**Other protection:**

Use engineering controls to reduce air contamination to permissible exposure level. Wear personal protective equipment appropriate to the quantity of material handled.

**Hygienic Work Practices:**

SKIN PROTECTION - apply barrier cream to hands and exposed skin.

**Section 9: Physical and Chemical Properties**

**Appearance:** Clear colorless liquid.

**Odor/ taste:** Characteristic, alcoholic odor.

**Boiling Point (°C, interval):** ~ 82

**Pressure:**

**Melt./Freeze . point (°C, interval):** ~ -88

**Density/Specific gravity (g/ml):** ~ 0.79

**Temperature (°C):** 20

**Vapor Density: (air=1):** 2.07

**Vapor pressure :** 41 00 P a

**Temperature (°C):** 20

**Evaporation Rate :** 1.5

**Reference:** BuA c = 1

**Volatile by volume . (%):** 100

**Solubility Description:** Miscible with water. Soluble in: Organic solvents (most).

**Flashpoint (°C):** ~ 12

**Method :** CC ( Clos e d cup ).

**Auto ignition temp. (°C):** ~ 425

**Flammability Limit-**

**LOWER (%):**2

**FLAMMA B IL ITY L IMIT - U PPER (%):** 12

**Section 10: Stability and Reactivity Data**

**Stability:**

Stable under normal conditions of use.

**Conditions to avoid:**

Avoid heat, flames and other sources of ignition. Avoid accumulation of static electricity.

**Materials to avoid:**

Oxidising agents. Sulphuric acid, Nitric acid. Can react exothermically with aluminium.

**Hazard DE comp. Products:**

Thermal decomposition or burning will release oxides of carbon.

**Section 11: Toxicological Information**

**Toxic dose - LD 50 :**

5000 mg/kg (oral rat)

**Health Hazards, General:**

Intoxicating if inhaled or ingested.

**Inhalation :** May cause transient irritation to the respiratory system. Exposure to high vapour concentration may cause central nervous system depression or systemic effects similar to those of ingestion.

**Ingestion:**

May cause nausea, vomiting, dizziness and depression of CNS.

**Skin:**

Repeated or prolonged contact may cause dermatitis.

**Eyes:**

May cause transient eye irritation or damage.

**Health warning:**

On (prolonged) contact may cause mild drying (and/or cracking) of skin and eye irritation.

**Route of entry:**

Inhalation.

**Section 12: Ecological Information**

**Eco toxicological data:**

LC50 fish > 100 mg/l

**Ecological Information:**

Regarded as having low toxicity to aquatic organisms.

**Mobility:**

Water soluble, will partition to aqueous phase. Lost within short period through evaporation and dissolution. Poorly absorbed onto soils or sediments.

**Bio accumulation:**

Low bioaccumulation potential.

**Degradability:**

Readily biodegradable. Poses a risk of oxygen depletion in aquatic systems.

**Section 13: Disposal Considerations**

**Disposal Methods:**

This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

**Waste Class:**

WASTE CODE: 0705\*\* HAZARDOUS PROPERTY: H3-A, (H4)

**Section 14: Transport Information****DOT Classification:**

Proper shipping name: N/A

Marine pollutant: No

Poison Inhalation Hazard: No

**Section 15: Other Regulatory Information****Federal and State Regulations:**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Formaldehyde California prop. 65 (no significant risk level): Formaldehyde: 0.04 mg/day (inhalation) California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Formaldehyde Solution Connecticut hazardous material survey.: Formaldehyde; Methyl alcohol Illinois toxic substances disclosure to employee act: Formaldehyde; Methyl alcohol Illinois chemical safety act: Formaldehyde; Methyl alcohol New York release reporting list: Formaldehyde; Methyl alcohol Rhode Island RTK hazardous substances: Formaldehyde; Methyl alcohol Pennsylvania RTK: Formaldehyde; Methyl alcohol Minnesota: Formaldehyde gas; Methyl alcohol Massachusetts RTK: Formaldehyde; Methyl alcohol Massachusetts spill list: Formaldehyde; Methyl alcohol New Jersey: Formaldehyde; Methyl alcohol New Jersey spill list: Formaldehyde; Methyl alcohol Louisiana RTK reporting list: Formaldehyde Louisiana spill reporting: Formaldehyde; Methyl alcohol California Director's List of Hazardous Substances: Formaldehyde; Methyl alcohol TSCA 8(b) inventory: Formaldehyde gas; Methyl alcohol; Water TSCA 4(f) priority risk review: Formaldehyde, Reagents, ACS SARA 302/304/311/312 extremely hazardous substances: Formaldehyde SARA 313 toxic chemical notification and release reporting: Formaldehyde; Methyl alcohol CERCLA: Hazardous substances.: Formaldehyde: 100 lbs. (45.36 kg); Methyl alcohol: 5000 lbs. (2268 kg);

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**WHMIS (Canada):**

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

**DSCL (EEC):****HMIS (U.S.A.):****Health Hazard: 3****Fire Hazard: 1****Reactivity: 0****Personal Protection:****National Fire Protection Association (U.S.A.):****Health: 3****Flammability: 1****Reactivity: 0****Specific hazard:****Protective Equipment:**

Gloves (impervious). Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

**Last Updated:** 06/15/2015 12:00 PM

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