

# MATERIAL SAFETY DATA SHEET

**Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200**

Date of Prep: 1/20/04

## SECTION 1

SUNNYSIDE CORPORATION  
225 CARPENTER AVENUE  
WHEELING, ILLINOIS 60090  
EMERGENCY TELEPHONE

(847) 541-5700  
(800) 424-9300

FOR INFORMATION:

(847) 541-5700

- SUNNYSIDE CORPORATION  
- CHEM TREC

Product Class: Alcohol  
Trade Name: ISOPROPYL ALCOHOL, 99%

Manufacturer's Code:  
NPCA HMIS:

832  
Health: 2  
Flammability: 3  
Reactivity: 0

NFPA:

704  
Health: 1  
Flammability: 3  
Reactivity: 0

Product Appearance and Odor: Clear, colorless liquid, with an alcohol odor.

## SECTION 2 -- HAZARDOUS INGREDIENTS

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS #	PERCENT	ACGIH TLV (TWA)	ACGIH TLV (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)	VAPOR PRESSURE
Isopropyl Alcohol	67-63-0		200 PPM *(A4)	400 PPM *(A4)	400 PPM	500 PPM	30.0 MM Hg @ 68° F.

\* Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data.

## SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Get prompt medical attention.
Eye Contact:	Immediately flush eyes with large quantities of water for at least 15 minutes. Get prompt medical attention.
Skin:	Flush with large quantities of water; use soap if available.
Ingestion:	If swallowed, do not induce vomiting. Keep at rest. Get prompt medical attention.

## SECTION 4 -- PHYSICAL DATA

The following data represent approximate or typical values. They do not constitute product specifications.

Boiling Range:	179-181° (F)	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	100 % (Approx)
Weight Per Gallon:	6.57 Lbs.		
Solubility in Water:	100%		

**SECTION 5 -- FIRE AND EXPLOSION DATA**

Flammability Classification:	Flammable Liquid - Class IB.
Flash Point:	54° F. Tag. Closed Cup
Lower Explosive Limit:	2.0% @ 77° F.
Autoignition Temperature:	>662° F.
Extinguishing Media:	Alcohol foam or dry chemical. Use water spray to cool fire exposed surfaces.
Unusual Fire and Explosion Hazards:	Flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.
Special Fire Fighting Procedures:	Use water spray to cool exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors.

**SECTION 6 -- HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: EFFECTS OF EXPOSURE: Inhalation:	400 PPM (ACGIH-time weighted average) High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.
Skin Contact:	Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.
Eye Contact:	Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.
Ingestion:	Minimal toxicity. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchopneumonia or pulmonary edema.
Chronic Effects:	Isopropyl Alcohol has been reported in one laboratory animal study, to be fetotoxic at levels of 2.5% in drinking water. No teratogenic effects were, or have been, reported. There are no reports of adverse reproductive effects in humans exposed to Isopropyl Alcohol.
Carcinogenicity:	This product has not been identified as a carcinogen by NTP, IARC, or OSHA.

**SECTION 7 -- REACTIVITY DATA**

Stability:	Stable
Conditions to Avoid:	Heat, sparks and flame.
Incompatibility (Materials to Avoid):	Caustics, amines, alkanolamines, aldehydes, ammonia, strong oxidizing agents, and chlorinated compounds.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.

**SECTION 8 -- SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is spilled or released: Remove ignition sources, evacuate area, avoid breathing vapor or contact with liquid. Recover free liquid or stop leak if possible. Dike large spills and use absorbent material for small spills. Keep spilled material out of sewers, ditches and bodies of water.

Waste disposal method: Incinerate under safe conditions; dispose of in accordance with local, state and federal regulations.

**SECTION 9 -- SAFE HANDLING AND USE INFORMATION**

Respiratory Protection:	Where concentrations in air may exceed occupational exposure limits, and engineering or work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirator may be necessary to prevent overexposure by inhalation.
Ventilation:	Sufficient, in volume and pattern, to keep workroom concentration below current applicable OSHA safety and health requirements. See Section 2. Use explosion-proof equipment. No smoking or open lights.
Protective Gloves:	Chemical resistant gloves.
Eye Protection:	Chemical safety goggles and face shield
Other Protective Equipment:	Impervious clothing or boots where contact is likely.

### SECTION 10 -- SPECIAL PRECAUTIONS

Dept. of Labor Storage Category:	Flammable Liquid Class IB.
Hygienic Practices:	Keep away from heat, sparks and open flame, keep containers closed when not in use. Avoid eye contact. Avoid prolonged or repeated contact with skin. Wash skin with soap and water after contact.
Additional Precautions:	Ground containers when transferring liquid to prevent static accumulation and discharge. Additional information regarding safe handling of products with static accumulation potential can be ordered by contacting the American Petroleum Institute (API) for API Recommended Practice 2003, entitled "Protection Against Ignitions Arising Out of Static, Lighting, and Stray Currents" (American Petroleum Institute, 1720 L Street Northwest, Washington, DC 20005), or the National Fire Protection Association (NFPA) for NFPA 77 entitled "Static Electricity" (National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101).
Empty Container Warning:	"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. They may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to supplier or disposed of in an environmentally safe manner and in accordance with governmental regulations.

### SECTION 11 -- ADDITIONAL INFORMATION

This product contains the following toxic chemical(s) which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

TOXIC CHEMICAL	CAS #	APPROXIMATE % BY WEIGHT
NONE	NONE	NONE

SARA Title III Hazard Categories: Immediate (Acute) Health, Fire. Delayed (Chronic) Health, Fire.

Common Names: Dimethyl Carbinol, IPA, 2-Propanol, Isopropanol

TRANSPORTATION\* (U.S. D.O.T. land transportation in packages of 119 gallons or less)

U.S. D.O.T. Proper Shipping Name:	Isopropanol
U.S. D.O.T. Hazard Class:	3
U.S. D.O.T. Packing Group:	II
U.S. D.O.T. I.D. Number:	UN 1219
U.S. D.O.T. Hazardous Substance:	None

\*Refer to 49 CFR for additional information. Exceptions or exemptions may exist for smaller quantities.