

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **Isopropyl Alcohol (Isopropanol), Natural**  
 Product Number: **0292900**  
 Recommended Use: Flavorings

Manufacturer: Aurochemicals  
 7 Nicoll Street  
 Washingtonville, NY 10992 – USA  
 845-496-6065  
 845-496-6248 Fax

Emergency Telephone No.: 1-800-535-5053  
 (International 1-352-323-3500 collect)

## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Flammable liquid, Target Organ Effect, Irritant  
 Other hazards which do not result in classification: May form explosive peroxides  
 GHS Classification Flammable liquids (Category 2)  
 Skin irritation (Category 3)  
 Eye irritation (Category 2A)

Signal Word: DANGER

Pictogram or written description



Hazard Statement: H225 Highly Flammable liquid and vapor  
 H316 Causes mild skin irritation  
 H319 Causes serious eye irritation  
 H339 May cause drowsiness or dizziness

Precautionary Statement P210 Keep away from heat/sparks/open flames/hot surfaces-No smoking  
 P261 Avoid breathing dust/fume/gas/mist/vapors spray  
 P305+ IF IN EYES: Rinse cautiously with water for several minutes.  
 P351+ Remove contacts if present and easy to do.  
 P338 Continue rinsing

HMIS Classification Health Hazard 2  
 Chronic Health Hazard \*  
 Flammability 2  
 Physical Hazards 0

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component:	2 – Propanol
Common Name:	Isopropyl Alcohol
Synonyms:	2-Propanol; sec-Propyl alcohol; Isopropanol
CAS #	67-63-0
EC#	200-661-7
Formula	C <sub>3</sub> H <sub>8</sub> O
Molecular Weight	60.10 g/mol

## Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Flush eyes with water as a precaution.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.
Inhalation:	Provide fresh air, Consult a physician.
Ingestion:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

## Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface-No smoking.
Suitable Extinguishing Media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Wear rubber boots and heavy rubber gloves. Prevent fire-fighting water from entering surface or ground water. Cool unopened containers with water spray from a safe distance. Contain escaping vapors with water.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions – Carbon oxides

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form
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Environmental-protected measures	explosive concentrations. Vapors can accumulate in low areas.
Precautions for safe handling	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal.
Ventilate area	After clean up, wash spill area and ventilate the area well.

## Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition- No smoking. Take measures to prevent the buildup of electrostatic charge.
Conditions for safe storage	Store in cool place. Keep container tightly closed, in dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from source of ignition – no smoking Handle and store under inert gas. Air and moisture sensitive Stench

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:			Components with workplace control parameters	
Components	CAS#	Value	Control Parameters	Basis
2 Propanol	67-63-0	TWA	220 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Eye and Upper respiratory Tract irritation; Central Nervous System impairment, Not classified as a human carcinogen			
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Eye and Upper respiratory Tract irritation; Central Nervous System impairment, Not classified as a human carcinogen			
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. OSHA-Table Z-1 Limits for Air Contaminants-1910.1000
		STEL	500 ppm 1,225 mg/3	USA. OSHA-Table Z-1 Limits for Air Contaminants-1910.1000
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants
	The value in mg/m <sup>3</sup> is approximate			
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		STEL	500 ppm 1,225 mg/3	USA. NIOSH Recommended Exposure Limits

Personal Protective Equipment:

**These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.**

Body Protection:

Protective clothing of impervious, flame retardant antistatic material should be selected

specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory Protection:	Required when vapors / aerosols are generated.
Eye Protection:	Wear appropriate eye and face protection – Face Shield.
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber.
Industrial Hygiene:	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Alcohol- like; somewhat unpleasant odor; burning taste
Boiling Point:	82.4°C
Flashpoint:	12.°C
Melting Point	-895°C -lit
Ignition temperature	425°C
Auto Ignition Temperature	425°C
Lower Explosion Limit	2% Vol
Upper Explosion Limit	12.7% Vol
Vapor Pressure:	43.2 hPa (32.4 mmHg) at 20°C 58.7 hPa (44.0 mmHg) at 25°C
Specific Gravity @ 25°C:	0.784-0.794
Solubility	Miscible with water. Alcohol, ether, chloroform and organic solvents
Evaporation Rate	3.0

## Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight
Materials to avoid	Strong oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acid
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides
Further information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
LD50, Oral rat	5,045 mg/kg Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (General depressed activity)
LC50 Inhalation Rat	16.000 ppm -8 h
LD50 Dermal Rabbit	12,800 mg/kg
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin – Rabbit- Mild skin irritation
Serious eye damage/eye irritation	Eyes – Rabbit – Eye irritation – 24

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Respiratory or skin sensitization No data available  
Germ cell mutagenicity No data available

## Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA Classifications  
IARC 3 Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available  
Teratogenicity No data available  
Specific target organ toxicity-single exposure (GHS) May cause drowsiness or dizziness  
Specific target organ toxicity-repeated exposures (GHS) No data available  
Aspiration Hazards No data available

Signs and Symptoms of Exposure Central nervous system depression, prolonged or repeated exposure can cause Nausea, Headache. Vomiting, narcosis, Drowsiness, Overexposure may cause mild reversible liver effects.

Synergistic effects No data available  
RTECS: NT8050000

## Section 12: ECOLOGICAL INFORMATION

Toxicity No data available  
Toxicity to fish LC 50- Pimephales promelas (fathead minnow) 9,640.00 mg/l – 96hr  
Toxicity to daphnia and other aquatic invertebrates EC50- Daphnia magna (Water flea) 5,102.00 mg/l – 24 h  
Toxicity to algae EC50-Desmodesmus subspicatus (green algae) >2,000 mg/l – 72 h  
EC50 Algae- >1,000 mg/l – 24h  
Persistence and degradability No data available  
Bioaccumulative potential No data available  
Mobility in soil No data available  
PBT and vPvB assessment No data available  
Other adverse effects No data available

## Section 13: DISPOSAL CONSIDERATIONS

Product: According to local regulations  
Packaging: According to local regulations

## Section 14: TRANSPORT INFORMATION

**DOT (US)** UN 1219 Class 3 Packing Group II  
Proper shipping name Isopropanol  
Reportable Quantity (RQ) No  
Marine pollutant No

# Safety Data Sheet

Poison Inhalation Hazard	No
<b>IMDG-Classification</b>	UN 1219 Class 3 Packing Group II EMS-No. F-E, S-D
Proper shipping name	ISPPROPANOL
Marine pollutant	No
<b>IATA-Classification</b>	UN 1219 Class 3 Packing Group II
Proper shipping name	Isopropanol

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid, Target Organ Effect, Irritant		
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.		
SARA 313 Components	The following components are subject to reporting levels established by SARA Title III, Section 313. 2- Propanol CAS# 67-63-0 Rev. Date: 1/1/1987		
SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard, Chronic Health Hazard		
Massachusetts Right to Know components	2-Propanol	CAS#79-31-2	Rev. Date: 4/24/1993
Pennsylvania Right to Know components	2-Propanol	CAS#79-31-2	Rev. Date: 4/24/1993
New Jersey Right to Know components	2-Propanol	CAS#79-31-2	Rev. Date: 4/24/1993
California Prop. 65 components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.		

## Section 16: OTHER INFORMATION

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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