## 2-Propanol

# www.carolina.c

#### **Product Description**

**Product Name: Recommended Use:** Synonyms: Distributor:

Section 1

2-Propanol Science education applications Isopropyl Alcohol; , Isopropanol; , IPA; , Sec-Propanol; , Dimethylcarbinol Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

**Chemical Information: Chemtrec:** 

#### Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;



Section 2



Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

#### **GHS Classification:**

Flammable Liquid Category 2, Serious Eye Damage/Eye Irritation Category 2, Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

#### **Section 3**

#### **Composition / Information on Ingredients**

Chemical Name	<u>CAS #</u>	<u>%</u>
2-Propanol	67-63-0	100

#### Section 4

#### First Aid Measures

Section 5	Firefighting Procedures
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Skin Contact:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Emergency and Fir	st Aid Procedures

## Firengnting Procedures

Extinguishing Media: Fire Fighting Methods and Protection:	Use dry chemical, CO2 or appropriate foam. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards:	Vapors may travel back to ignition source. Closed Containers exposed to heat may explode. Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

#### **Section 6**

#### **Spill or Leak Procedures**

Steps to Take in Case Material Is **Released or Spilled:** 

**Section 7** 

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

#### Handling and Storage

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Handling: Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool. Keep container tightly closed in a cool, well-ventilated place. Storage Code: Red - Flammables. Store in approved flammable containers. Store away from oxidizing materials. Section 8

## **Protection Information**

	ACGIH		OSHA PEL		
<u>Chemical Name</u> 2-Propanol	<b>(TWA)</b> 200 ppm TWA	(STEL) 400 ppm STEL	(TWA) 400 ppm TWA; 980 mg/m3 TWA	(STEL) N/A	
Control Parameters					
Engineering Measures:	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product.				
Personal Protective Equipment (PPE): Respiratory Protection:	Lab coat, apron, eye wash, safety shower. No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 11. A respirator is not normally required. Conduct air monitoring to determine if airborne concentrations exceed an applicable exposure limit.				
Respirator Type(s): Eye Protection:	NIOSH approved air purifying respirator with organic vapor cartridge and HEPA filter. Wear chemical splash goggles when handling this product. Have an eye wash station available.				
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.				
Gloves:	Nitrile				

#### **Section 9**

#### **Physical Data**

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#### Section 10

#### **Reactivity Data**

Reactivity: Chemical Stability: Conditions to Avoid: Incompatible Materials:	Not generally reactive under normal conditions. Stable under normal conditions. Sparks, open flame, other ignition sources, and elevated temperatures. Acids, Strong oxidizing agents, Strong reducing agents, Metals, Peroxides, Epoxides,
Hazardous Decomposition Products: Hazardous Polymerization:	Isocyanates Carbon dioxide, Carbon monoxide Will not occur
Section 11	Toxicity Data

**Routes of Entry** Inhalation and ingestion. Symptoms (Acute): Central Nervous System Depression, Respiratory disorders **Delayed Effects:** No data available

Acute Toxicity: Chemical Name 2-Propanol	<b>CAS Number</b> 67-63-0	<b>Oral LD50</b> Oral LD50 Mouse 3600 mg/kg Oral LD50 Rat 5045 mg/kg	Dermal LD50 Not determined	Inhalation LC50 INHALATION LC50 Rat 16000 ppm	
Carcinogenicity: Chemical Name 2-Propanol	<b>CAS Number</b> 67-63-0	IARC Listed	NTP Not listed	OSHA Not listed	
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth No evidence of a sensitization effect. Evidence of negative reproductive effect	,			

**Target Organ Effects:** Central Nervous System No information available

#### Section 12

**Overview:** 

Persistence:

Degradability:

**Bioaccumulation:** 

Mobility:

Acute:

Chronic:

#### **Ecological Data**

This material is not expected to be harmful to the ecology. This material is expected to have high mobility in soil. It absorbs weakly to most soil types. No data No data Biodegrades quickly. No data

**Chemical Name** 2-Propanol

Other Adverse Effects:

**CAS Number** 67-63-0

**Eco Toxicity** 96 HR LC50 PIMEPHALES PROMELAS 11130 MG/L [STATIC] 96 HR LC50 LEPOMIS MACROCHIRUS > 1400000 µG/L 48 HR EC50 DAPHNIA MAGNA 13299 MG/L 96 HR EC50 DESMODESMUS SUBSPICATUS > 1000 MG/L 72 HR EC50 DESMODESMUS SUBSPICATUS > 1000 MG/L

#### Section 13

### **Disposal Information**

Transport Information

**Disposal Methods:** 

Waste Disposal Code(s):

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. If discarded, this product is considered a RCRA ignitable waste, D001.

#### Section 14

Ground - DOT Proper Shipping Name:

Air - IATA Proper Shipping Name:

UN1219	
Isopropanol	
Class 3	
P.G. II	

UN1219 Isopropanol Class 3 P.G. II

## Section 15

# Regulatory Information

**Additional Information** 

TSCA Status:	All components in this product are on the TSCA Inventory.					
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
2-Propanol	67-63-0	Isopropyl alcohol	No	No	No	No

### Section 16

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary			
ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health