

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** ISO 99

**Chemical Name/Synonyms:** 2-propanol, Isopropanol

**Company:**

### DISTRIBUTOR INFORMATION:

Remix Chem, LLC  
2202 S Figueroa St. #528  
Los Angeles, CA 90007  
[www.remixchem.com](http://www.remixchem.com)

### CHEMTREC EMERGENCY INFORMATION:

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC 24 Hours

1-800-262-8200 / +1 703-741-5500

CCN: 1002199

## Section 2: Hazard(s) Identification

### Hazard Classification:

Flammable Liquids	Category 2
Acute Toxicity, Oral	Category 5
Serious Eye Damage	Category 2A
Specific Target Organ Toxicity (Single Exposure) Central Nervous System	Category 3
Specific Target Organ Toxicity (Single Exposure) Narcotic Effects	Category 3
Specific Target Organ Toxicity (Single Exposure) Central Nervous System, Optic Nerve, Respiratory System	Category 1
Specific Target Organ Toxicity (Repeated Exposure) Kidney, Liver, Spleen, Blood	Category 1

**Signal Word(s):** Danger

**Pictograms:**



**Hazard Statements:**

- H225 Highly flammable liquid and vapor
- H303 May be harmful if swallowed
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H370 Causes damage to organs
- H372 Causes damage to organs through prolonged or repeated exposure

**Precautionary Statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P233 Keep container tightly closed.
- P235 Keep cool.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash exposed skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wash goggles/gloves/other PPE thoroughly after handling
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P307+P311 If exposed or concerned: Get medical advice/attention.
- P309+P311 If exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- P403 Store in a dry place.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal plant.

**Description of other hazards:**

May form explosive peroxides

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

Chemical Name	Synonym	CAS#	Conc.
2-propanol	Isopropyl alcohol, isopropanol	67-63-0	70-99%

**Section 4: First-Aid Measures**

**After skin contact:** Wash skin with soap and water. Remove contaminated clothing immediately. Consult a physician if irritation persists.

**After eye contact:** Rinse thoroughly with soap and water for 15 minutes. Consult a physician if irritation persists.

**After inhalation:** Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, supply oxygen.

**After swallowing:** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without a physician's advice. Consult a physician.

**Section 5: Fire-Fighting Measures**

**Suitable extinguishing agents:** Foam carbon dioxide (CO<sub>2</sub>), Dry powder,

**Unsuitable extinguishing agents:** Water. Do not use solid water stream as it may scatter fire

**Special protective equipment for firefighters:** Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance from flames.

**Flash Point:** 12 °C/ 53 °F

**Autoignition Temperature:** 425 °C/ 797 °F

**NFPA**

**Health:** 2

**Flammability:** 3

**Instability:** 0

**Physical Hazards:** N/A

**Section 6: Accidental Release Measures**

<b>Personal precautions:</b>	Ensure adequate ventilation. Especially in confined areas. Do not breathe vapors, aerosols. Avoid substance contact. Keep away from heat and ignition sources. Evacuate the danger areas. Wear protective gloves/protective clothing and eye/face protective gear when handling.
<b>Measures for environmental protection:</b>	Prevent product from entering drains. Do not flush into surface water/sanitary sewer system. Risk of explosion.
<b>Measures for cleaning/collecting:</b>	Collect, bind and pump off spills. Observe possible material restrictions see (Section 7 and 10). Take up carefully with liquid absorbent material Dispose of in properly labeled containers.

**Section 7: Handling and Storage**

<b>Handling:</b>	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Ensure adequate ventilation, especially in confined areas. Wear personal protective equipment. For precautions, see section 2
<b>Storage:</b>	Keep container tightly closed in a dry, well-ventilated place. Keep away from sources of ignition. Protect from sunlight.
<b>Incompatible Materials:</b>	None known

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

Chemical Name	OSHA PEL	NIOSH IDLH	ACGIH TLV	Mexico OEL (TWA)
2-propanol	TWA: 400 ppm TWA: 980 mg/m <sub>3</sub>	TWA: 400 ppm TWA: 980 mg/m <sub>3</sub> ST: 500 ppm ST: 1225 mg/m <sub>3</sub>	TWA: 200 ppm (TLV) STEL: 400 ppm (TLV)	

ACGIH - American Conference of Governmental Industrial Hygienists  
 OSHA - Occupational Safety and Health Administration  
 NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

**General protective and hygienic measures:** Immediately change contaminated clothing. Wash hands and face after working with substance.

**Breathing equipment:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be

worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Ensure adequate ventilation, especially in confined areas.

**Skin and Body Protection:** Avoid contact with skin. Wear protective gloves and clothing.

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses and or face shield.

**Control of environmental exposure:** Do not allow to enter drains/surface water

### Section 9: Physical and Chemical Properties

<b>Form:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Alcohol-like
<b>Odor threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/melting range:</b>	-89.5 °C / -129.1 °F
<b>Boiling point/boiling range:</b>	82 °C / 180 °
<b>Flash point:</b>	12 °C / 53.6 °F
<b>Evaporation rate:</b>	3
<b>Flammability (solid,gas):</b>	N/A
<b>Upper/lower flammability or explosive limits:</b>	12.7 vol %/2 vol %
<b>Auto ignition temperature:</b>	425 °C / 797 °F
<b>Vapor pressure:</b>	32.4 mmHg at 20 °C
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	0.785 g/mL at 25 °C
<b>Solubility in/Miscibility with water:</b>	Miscible
<b>Partition Coefficient n/octanol-water</b>	log Pow : 0.05

### Section 10: Stability and Reactivity

<b>Reactivity:</b>	Vapor/air mixtures are explosive under intense warming. Can react vigorously with strong oxidizers.
<b>Chemical stability:</b>	This product is chemically stable under ambient conditions.
<b>Conditions to avoid:</b>	Heating, direct sunlight
<b>Incompatible materials:</b>	Strong oxidizing agents, Acids, Acid anhydrides, Aluminum, Halogenated Compounds
<b>Hazardous decomposition products:</b>	Hazardous decomposition products formed under fire conditions - Carbon monoxide, carbon dioxide

### Section 11: Toxicological Information

**Potential routes of exposure/potential health effects**  
**Oral LD50:** Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg  
**Dermal LD50:** Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg  
**Vapor LC50:** Based on ATE data, the classification criteria are not met. ATE > 20 mg

Component	LD50 (Oral)	LD50 (Dermal)	LD50 (Inhalation)
2-propanol	5045 mg/kg (rat)	12,800 mg/kg (rabbit)	16000 ppm (rat)

**Toxicologically Synergistic Products:** No data available  
**Skin:** Irritating to skin  
**Eye:** Causes serious eye irritation  
**Inhalation:** Avoid breathing vapors or mists  
**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	IARC	NTP	ACGIH	OSHA
2-Propanol	Group 3	No Known	X	X

**IARC (International Agency for Research on Cancer):**  
**Group 1** - Carcinogenic to humans  
**Group 2A** - Possibly carcinogenic to humans  
**Group 2B** - Possibly carcinogenic to humans  
**Known** - Known carcinogen  
**Reasonably anticipated** - Reasonably anticipated to be a carcinogen  
**ACGIH (American Conference of Governmental Industrial Hygienists):**  
**A1** - Known human carcinogen  
**A2** - Suspected human carcinogen  
**A3** - Animal carcinogen

**Section 12: Ecological Information (non-mandatory)**

**Ecotoxicity:** Contains a substance which is toxic to aquatic organisms

Component	Freshwater Algae	Freshwater Fish	Microtox	Micro Flea
2-propanol	Green Algae (Desmodesmus Subspicatus) EC 50 (72h) = 2000 mg/l/72h Algae EC 50 1000 mg/L/24h	Fathead minnow (Pimephales promelas) LC50 = 9640 mg/l/96h Rainbow Trout LC50 =12900-15300 mg/L; 96 H		EC50 = 5102 mg/L/24h EC50 = 10800 mg/L/24h

**Mobility:** Will likely be mobile in the environment due to its volatility

Component	log Pow
2-Propanol	0.05

### Section 13: Disposal Considerations (non-mandatory)

**Disposal of Waste:** Disposal should be in accordance with applicable, regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging:** Do not reuse container

### Section 14: Transport Information (non-mandatory)

**DOT:**

- **UN/ID No:** 1219
- **PSN:** Isopropanol
- **Packaging group:** II
- **ADR/RID class:** 3

**Air transport ICAO-TI and IATA-DGR:**

- **UN/ID No:** 1219
- **PSN:** Isopropanol
- **Packaging Group:** II
- **ICAO/IATA Class:** 3

**IMDG**

- **UN/ID No:** 1219
- **PSN:** Isopropanol
- **Packaging Group:** II
- **IMDG Class:** 3

### Section 15: Regulatory Information (non-mandatory)

**US Federal Regulations**

**SARA Section 355 (extremely hazardous substances):**

Section 355 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

**SARA Section 313 (specific toxic chemical listings):**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories:**

Acute health hazard	<b>Yes</b>
Chronic health hazard	<b>Yes</b>
Fire hazard	<b>Yes</b>
Sudden release of pressure hazard	<b>No</b>
Reactive hazard	<b>No</b>

**CWA:**

This product as supplied does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA:**

This product as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California Proposition 65:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

**US State Right to Know Regulations:**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
2-propanol	✓	✓	✓		

**Section 16: Other Information**

**SDS date of preparation:** 8/11/2021

**SDS date of update:** 1/20/2023

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Remix Chemical and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.