



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Isopropyl Alcohol, ACS**
PRODUCT NUMBER: 13230
CAS NUMBER: 67-63-0
SYNONYMS: IP, Isopropanol, 2-propanol, sec-Propyl alcohol
MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H225	Highly flammable liquid and vapor.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Phrases

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

HMIS CLASSIFICATION:

Health: 1 Fire: 3 Reactivity Hazard: 1

NFPA RATING:

Health: 1 Flammability: 3 Reactivity Hazard: 1

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Causes skin irritation.

INHALATION: Causes respiratory tract irritation. Can cause irritation of mucous membranes and central nervous system drowsiness.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: C₃H₈O

Molecular Weight: 60.10

CHEMICAL NAME	CAS#	%
Isopropyl Alcohol, ACS	67-63-0	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with plenty of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Seek medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: 12° C

AUTO IGNITION TEMPERATURE: 399° C

EXPLOSION LIMITS: Upper: 12% Lower: 2.5%

EXTINGUISHING MEDIUM: Use alcohol foam, carbon dioxide, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Absorb spill with vermiculite or other noncombustible absorbent material. Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Take measure to prevent the buildup of electrostatic charge.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store away from strong oxidizing agents, strong acids, peroxides, aldehydes, halogens, ammonia, acid anhydrides, or alkali metals.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity	
Isopropyl Alcohol	200 ppm	492 mg/m ³	TLV	ACGIH
	400 ppm	984 mg/m ³	STEL	ACGIH
	400 ppm	980 mg/m ³	PEL	OSHA
	2000 ppm		IDLH	OSHA
	400 ppm	980 mg/m ³	REL	NIOSH
	500 ppm	1225 mg/m ³	STEL	NIOSH

TLV: Threshold Limit Value over 8 hours of work.

PEL: Permissible Exposure Limit

IDLH: Immediately Dangerous to Life or Health

STEL: Short Term Exposure Limit during x minutes.

REL: Recommended Exposure Limit

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Clear liquid

ODOR: Mild alcohol

MOLECULAR WEIGHT: 60.10

BOILING POINT: 82° C

MELTING POINT: -89° C

SPECIFIC GRAVITY: 0.786 gm/ml

SOLUBILITY: Completely soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Keep away from heat, flame, and sparks.

INCOMPATIBILITY: Acids, Alkali metals, Oxidizing agents, Iron salts, Potassium, and Aluminum.

DECOMPOSITION PRODUCTS: Carbon oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Dermal – rabbit – 12,800 mg/kg. LD50 Inhalation – rat – 8 h – 16,000 ppm. LD50 Oral – rat – 5,04 mg/kg.

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is considered to be a human carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: NT8050000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

LC50 – Pimephales promelas (fathead minnow) – 9,640 mg/l – 96 h. EC50 – Daphnia magna (water flea) – 5,102 mg/l – 24 h.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN1219

Isopropanol

CLASS 3

PG II

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: Listed

SARA 302/304: Not Listed

SARA 311/312: Isopropyl Alcohol

SARA (TITLE 313): Isopropyl Alcohol

CALIFORNIA PROP. 65: Not Listed

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 03/15

SDS DEPT.