



Humco Holding Group, Inc.
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24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: ISOPROPYL ALC. ANHYDROUS 99%, USP **SDS NO. 1243**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Isopropyl Alcohol Anhydrous 99% USP

Synonyms: 2-Propanol; Isopropyl alcohol; sec-propyl alcohol; dimethylcarbinol; sec-propanol

Recommended Use: Solvent for gums, shellac, essential oils

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Category 2: Flammable liquid Category 2A: Eye irritation
Signal Word:	DANGER
Precautionary Statements	
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective eye protection. Wash hands thoroughly after handling.

Response:	<p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>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.</p> <p>In case of a small fire: Dry chemical powder can be used as extinguishing medium.</p> <p>In case of a large fire: Alcohol foam, water spray or fog can be used as extinguishing media.</p>
Storage:	Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ISOPROPYL ALCOHOL	67-63-0
PURIFIED WATER	7732-18-5

The exact percentages has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Exposure to vapors may cause irritation to the respiratory tract. Headache and drowsiness may occur.	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Vomiting, Nausea, diarrhea, drowsiness, Headache, May have anesthetic and central nervous system (CNS) depression.	Do NOT induce vomiting unless directed to so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin	May cause dermal irritation	If irritation occurs, wash with disinfectant soap and water. If persist, get medical attention.
Eyes	Irritation, eye injury	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point:	12 °C (54°F) - CLOSED CUP
Auto Ignition:	Lowest known: 399°C (750°F) (For IPA 99%)
Extinguishing Media:	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam. Cool all affected containers with plenty of water.
Products of Combustion:	May explode when heated. Upon combustion this product, it emits carbon oxides (CO & CO ₂)
Fire Fighting Equipment and Procedures:	Wear protective clothing and equipment suitable for the surrounding fire. Small fire: Dry chemical powder can be used. Large Fire: Alcohol foam, water spray or fog. Cool containing vessels with water get in order to prevent pressure build-up, auto-ignition or explosion.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label directions. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Beware of vapors accumulating to form explosive concentrations.
Environmental Precautions:	Prevent discharge to open waters and sewage.
Method of Containment:	Contain spill, collect an electrically protected vacuum clear or by wet brushing. Absorb with DRY earth, sand or other non-combustible material.
Method for Clean-Up:	Ventilate area of spill or leak. Pump liquid to salvage tank. Mop-up and containerize in approved chemical waste container. Wash spill area with water.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor, spray, gas, or mist. Stay away from ignition source. Wear suitable respiratory equipment. Wear proper clothing. Do not consume food, drink or smoke while handling this product.
Storage:	Keep container tightly closed and in a dry, cool, and well ventilated place. Opened containers must be resealed and kept upright to prevent leakage. Keep away from all ignition source (sparks or flame), oxidizing agents, and acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Handle as per good industrial hygiene and safety practice. Use explosion proof ventilations as required to control vapor concentration. Ensure that eyewash station and safety showers are in adequate location.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Use appropriate face shield and approved goggles.
Skin Protection:	Handle with approved impervious clothing and gloves. Flame retardant antistatic protective clothing is recommended to protect from body contact.
Respiratory Protection	Use either an atmosphere supplying respirator or an air purifying respirator for organic vapors. If permissible exposure level is exceeded, use NIOSH approved respirator.
General Hygiene Considerations:	Wash hands after use. Eye wash fountains and safety showers are generally required in adequate location for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless, clear liquid	Upper/Lower Flammability:	Upper : 12.7% (V) Lower: 2% (V)
Odor:	Mild alcohol like	Vapor Pressure (mmHg)	32.4 mmHg (43.2 hPa) at 20°C.
Odor Threshold:	Not determined	Vapor Density (air = 1)	2.1
pH:	7	Relative Density (H₂O=1):	0.785 g/cm ³ at 25 °C
Melting point /Freezing Point:	-88.5°C (-127.3 °F)	Solubility (in water):	Completely Soluble
Boiling point/range:	82°C (180°F)	Partition coefficient: n-octanol/water:	Log pow: 0.05
Flash point	12°C (54°F) - CLOSED CUP	Auto-ignition temperature	399°C (750°F)
Evaporation rate (butyl acetate = 1)	3.0	Decomposition Temperature:	Not determined
Flammability:	Flammable	Viscosity	0.1mm ² /s

10. STABILITY AND REACTIVITY

Reactivity:	Not determined
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous reactions:	Vapors may form explosive mixture with air.
Conditions to Avoid:	Heat, sparks, open flame, extreme temperature, direct sunlight
Incompatible materials:	Oxidizing agents, acid anhydrides, Aluminum, Halogenated compounds, acids, salts, Plastics and rubber
Hazardous Decomposition Products:	Carbon Oxides (CO, CO ₂)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined.
Skin irritation:	LD50 Dermal – rabbit – 12,800 mg/kg
Eye contact damage:	Eyes – rabbit – Eye irritation - 24 h
Respiratory damage:	LD 50 Inhalation – rat – 8h – 16,000 ppm
Ingestion overdose:	LD50 Oral- rat - 5,045 mg/kg
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined
LD50	Not determined
Symptoms associated with exposure:	May cause skin and eye irritation.
Carcinogenicity:	
OSHA:	Not listed
NTP:	Not listed
IARC:	Not listed

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Fish - LC50/96 hours; Toxic to Daphnia and other aquatic invertebrates – EC50/24 h/Water Flea – 5,102 mg/L.
Chemical degradation:	Not determined.
Biodegradation:	Not determined.
Bioaccumulation potential	Not determined.
Adsorption studies or leaching studies:	Not determined.
Other adverse effects	Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Class 3: Flammable Liquid
UN number:	UN1219
UN proper shipping name:	Isopropanol
Transport hazard class(es):	3
Packing group number:	PG II
Environmental hazards:	Not applicable
Special precautions:	Keep away from heat, sparks, and ignition sources.

15. REGULATORY INFORMATION

US OSHA Standard (29 CFR Part 1910.1200)

Classification Not regulated.

Other US Regulations

TSCA Status Not regulated.

16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.