

Material Safety Data Sheet

Date Created: December 1, 2006 Date Updated: April 12, 2012 Date Last Reviewed: April 12, 2012
To Comply with OSHA's Hazardous Communication Standard CFR 1910.1200

IDENTITY (As Used on Label and List)

Pharma-C-Wipe, 70% Isopropyl Rubbing Alcohol

This product has 70% isopropyl rubbing alcohol impregnated on a wipe applicator. This MSDS represents the chemical. This product is a consumer commodity and therefore follows ORM-D classification for transportation. (See Section 13 for more information.)

Section 1 – Chemical Product and Company Identification

Synonyms: Isopropanol, Rubbing alcohol, IPA, 2-Propyl alcohol

CAS No.: 67-63-0

Molecular Weight: 60.10

Chemical Formula: $(\text{CH}_3)_2\text{CHOH}$ (70% in aqueous solution)

Manufacturer's Name:

CUSTOM MANUFACTURED PRODUCTS
P.O. Box 6648, Greenville, SC 29606-6648
(864)527-9715

Emergency Telephone Number: (800)424-9300 CHEMTREC

Section 2 – Composition/Information on Ingredients

<u>Composition</u>	<u>CAS No.</u>	<u>Nominal Vol./ Vol%</u>	<u>TLV/PEL</u>	<u>Hazardous</u>
Isopropyl Alcohol	67-63-0	70	400/400	
Water	7732-18-5	30		

Section 3 – Hazards Identification

HMIS Rating		NFPA Rating	
Health	2	Health	2
Flammability	3	Flammability	3
Reactivity	1	Reactivity	1

WARNING! Flammable liquid and vapor.

Colorless liquid with a flash point of 75 °F

Target Organs: Central nervous system, respiratory system, eyes, and skin.

Potential Health Effects:

Eyes: Causes irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Skin: Wash skin with copious amounts of water for 15 minutes. May be absorbed through intact skin. Seek medical attention.
Inhalation: If inhaled, remove to fresh air. Inhalation of vapors may cause drowsiness and dizziness.
Ingestion: Wash out mouth with water if person is conscious. Will cause gastrointestinal irritation with nausea, vomiting, and diarrhea. Seek medical attention.

Section 4 – First Aid Measures

Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Get medical attention immediately.
Skin: Wash skin with copious amounts of water. Seek medical attention if irritation develops.
Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing is difficult or not breathing.
Ingestion: Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel.

Section 5 - Fire and Explosion Hazard Data

Special Fire Fighting Procedures: Use self-contained breathing apparatus. Wear full protective clothing. Use water spray to cool fire-exposed containers and structures. Vapors may form an explosive mixture with air. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.
Extinguishing Media: DO NOT use straight streams of water. For large fires use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after the fire is out.
Explosion: Containers may explode under fire conditions.

Flash Point (TCC): 24 °C (75 °F)

Autoignition Temperature: 399 °C (750.20 °F)

Lower Explosion Limits: 2.0 vol %

Upper Explosion Limits: 12.7 at 200 °F

Section 6 - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Evacuate area. Shut off all sources of ignition. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Ventilate area and wash spill site after material is completely picked up.

Handling and Storage: Keep away from sources of ignition, and oxidizing materials. Store in tightly closed containers in a cool, dry, well ventilated area away from incompatible substances.

Section 7 – Exposure Controls/Personal Protection

Ventilation: Use explosion-proof ventilation equipment.

Protective Gloves: Consult the glove manufacturer for the most appropriate glove material.

Eye Protection: Chemical safety goggles.

Other: Eye bath and safety shower. Wear protective clothing to prevent repeated or prolonged contact. Wear chemically resistant shoes or boots. Decontaminate clothing before reuse.

Section 8 – Physical and Chemical Properties

Appearance: Clear liquid

Odor: Alcohol-like

Solubility in Water: Miscible

% Volatiles by Volume at 21 °C (70 °C): 100

Boiling Point: 82 °C

Melting Point: -88 °C

Specific Gravity (water = 1): <1

pH: N/A

Vapor Density (AIR = 1): 2.1

Vapor Pressure (mm Hg): 33 mmHg at 20 °C

Evaporation Rate (Butyl Acetate = 1): 1.7

Section 9 – Stability and Reactivity Data

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide.

Conditions to Avoid: Ignition sources, excess heat.

Incompatibility (*Materials to Avoid*): Strong oxidizing agents, strong acids, strong bases, amines, ammonia, ethylene oxide, isocyanates, acetaldehyde, chlorine, phosgene. Attacks some forms of plastics, rubbers, and coatings. Aluminum at high temperatures.

Hazardous Polymerization: Will not occur.

Section 10 – Toxicological Information

Route(s) of Entry:

Inhalation? Y

Skin? Y

Ingestion? Y

Inhalation: Exposure to over 400 ppm may cause headache, nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, possible unconsciousness, and even asphyxiation.

Skin Contact: May cause irritation, defatting of skin, and dermatitis.

Eye Contact: Liquid or vapor may cause irritation, blurred vision, and redness.

Carcinogenicity: No information available
NTP? No information available
IARC Monographs? No information available
OSHA Regulated? No information available

Section 11 – Ecological Information

Environmental Toxicity: None currently known.

Section 12 – Disposal

Waste Disposal Method: Contact a licensed professional waste disposal service to dispose of the material. Exert extra care, as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Section 13 – Transportation

DOT

Consumer Commodity
ORM-D (Other Regulated Materials, Domestic)

ORM means other regulated material. Consumer Commodity means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use. This term also includes drugs or medicines.

ORM-D material means a material such as consumer commodity which presents a limited hazard during transportation due to its form, quantity and packaging.

Isopropanol, 3, UN1219, II

Section 14 – Regulatory Information

CAS #67-63-0 can be found on the following state right to know lists from CA, PA, MN, MA, or NJ.

California Prop 65 – No significant risk level.

Section 15 – Other Information

Disclaimer: This MSDS is provided by Custom Manufactured Products as a courtesy to its customers. The above information is believed to be accurate and represents the most current information that is available to us, and should be used only as a guide. Individuals receiving this information must use independent judgment in determining its appropriateness for a particular purpose.