

1) PRODUCT AND COMPANY INFORMATION:

Product Name: Isopropyl Alcohol Antiseptic 75% Topical Solution

Product Code: New

Distributor:

1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124
847-622-0001

**24 Hour Emergency
Number: CHEMTREC**
(800)255-3924

2) HAZARD IDENTIFICATION:

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SIGNAL WORD

DANGER



GHS Ratings:

Flammable liquid	2
Skin corrosive	2
STOT SE	3

GHS Hazards:

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H336	May cause drowsiness or dizziness

GHS Precautions:

- P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical/ventilation/lighting/equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P264 Wash hand, arms and face thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P362 Take off contaminated clothing and wash before reuse
- P302+P352 IF ON SKIN: Wash with soap and water
- P303+P361 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P332+P313 If skin irritation occurs and is persistent: Seek medical advice/attention
- P370+P378 in case of fire: Use dry chemical, foam, or carbon dioxide for extinction
- P403+P235 Store in a well-ventilated place. Keep cool
- P501 Dispose of contents/container according to local, state and Federal regulations.

3) COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL	CAS NUMBER	W/WT %
2-Propanol Vapor Pressure: 31.503 mmHg	67-63-0	70.00%
7732-18-5	water	30.00%

4) FIRST AID MEASURES:

INHALATION:

Immediately move person to fresh air and keep comfortable for breathing. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth to mouth resuscitation

EYE CONTACT:

Immediately rinse continuously with copious amounts of tepid water for a minimum of 15-20 minutes. Eyelids should be held apart and away from eyeball for thorough rinsing. Seek medical attention.

SKIN CONTACT:

Immediately remove all contaminated clothing. Flush skin with copious amounts of tepid water for a minimum of 15-20 minutes. For severe exposure or if irritation persists, seek medical attention. Wash contaminated clothing before reuse.

INGESTION:

Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Seek medical attention immediately.

5) FIRE FIGHTING MEASURES:

Flash Point: 12 C (54 F) Flammable Limits LEL: 2.5 % UEL: 12.7 %

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical, alcohol foam

UNUSUAL FIRE/EXPLOSION HAZARDS:

Mists or sprays could ignite at temperatures below the indicated flash point. Keep ignition sources, open flames, etc., away from these fumes.

FIRE FIGHTING

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

FIRE FIGHTING EQUIPMENT

Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction, if possible, move containers away from fire. Cool fire exposed containers with water spray. If containers rupture or leak, product may evolve irritating or toxic gas under extreme heat. Prevent runoff from fire control or dilution from entering streams, sewers, or water supply..

6) ACCIDENTIAL SPILL MEASURES:

SPILL/LEAK PROCEDURES

Keep unauthorized personnel away. Stay upwind. Do not get water inside container. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Prevent entry into waterways, sewers, basements or confined areas

(See section 8 for recommendations on the use of personal protective equipment.)

SMALL SPILLS

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Transfer the spilled material to caustic resistant containers labeled: FLAMMABLE. Flush the cleaned area with water.

LARGE SPILLS:

No action shall be taken involving any personal risk or without suitable training, and issuance of appropriate personal protective equipment. Stop leak if without risk. Prevent spillage from entering drains and/or waterways. Any release to the environment may be subject to Federal, state, and local reporting requirements.

7) HANDLING AND STORAGE:

HANDLING PRECAUTIONS:

Handle and open container in a well-ventilated area. Do not breathe mist, vapors and/or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Keep away from heat and sparks.

STORAGE:

Store in cool, dry and well-ventilated areas, with containers tightly closed. Protect containers from physical damage. Closed storage tanks should be provided with safety relief valves and vacuum breakers as necessary.

ELECTROSTATIC ACCUMULATION HAZARD:

When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
67-63-0	400 ppm TWA; 980 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m ³ TWA 500 ppm STEL; 1225 mg/m ³ STEL 2000 ppm IDLH

8) EXPOSURE CONTROL AND PERSONAL PROTECTION:

ENGINEERING CONTROLS:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Eye wash facilities and emergency shower must be available when handling this product.

GENERAL HYGIENE CONSIDERATIONS:

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

PROTECTIVE EQUIPMENT:

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

RESPIRATORY PROTECTION:

Wear a NIOSH approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow the OSHA respirator regulations found in 29 CFR 1910.134 when exposure limits are not reduced by engineering controls or ventilation a full-face respirator with the appropriate cartridges is recommended

EYE/FACE PROTECTION:

Wear appropriate safety glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

SKIN PROTECTION:

Wear chemical resistant clothing/flame resistant clothing and gloves.

ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

DECONTAMINATION:

Clean or dispose of contaminated PPE/clothing prior to reuse

9) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Liquid
Color:	Clear, colorless
Odor:	Alcohol like
Decomposition temperature:	No Data Available
Viscosity:	No Data Available
Vapor Pressure:	No Data Available
Odor threshold:	1 ppm (AIHA)
Vapor Density:	2.07 [air = 1]
pH:	N/A
Specific Gravity:	0.84
Melting point:	- 90° C
Freezing point:	-128 F
Solubility:	Complete
Boiling range:	83°C (181°F) to 100°C (212°F)
Flash point:	Calculated
Evaporation rate:	2.3 [butyl acetate = 1]
VOC	6.580 lbs/gal
HAP	0

10) STABILITY AND REACTIVITY:

STABILITY:

Under normal conditions of storage and handling, this product is Stable

INCOMPATIBILITIES (MATERIALS TO AVOID):

Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous polymerization will occur.

INCOMPATIBLE MATERIALS:

Strong Acids, Alkalies, Oxidizers. Avoid contact with Aluminum, Zinc, or other reactive metals.

11) TOXICOLOGICAL INFORMATION:

Chemical	Test	Test Results	Species
67-63-0	LC50 Inhalation	72600 mg/m ³ – 4hr	Rat
	LD50 Oral	1870 mg/kg	Rat

ACGIH - Threshold Limit Values - Carcinogens A4 - Not Classifiable as a Human Carcinogen

ACGIH - Threshold Limit Values - TLV Basis - Critical Effects CNS impairment; eye and upper respiratory tract irritation

12) ECOLOGICAL INFORMATION:

Freshwater Fish - Acute Toxicity Data; 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through];

96 Hr LC50 Pimephales promelas: 11130 mg/L [static];

96 Hr LC50 Lepomis macrochirus: >1400000 µg/L

Water Flea - Acute Toxicity Data 48 Hr EC50 Daphnia magna: 13299 mg/L

Freshwater Algae - Acute Toxicity Data 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50

Desmodesmus subspicatus: >1000 mg/L

13) DISPOSAL:

Dispose of contents/container according to local, state and Federal regulations.

14) TRANSPORTATION INFORMATION:

DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Isopropanol

UN NUMBER: UN1219

PACKAGING GROUP: II

CLASS: 3

ERG Number: 129

15) REGULATORY INFORMATION:

U.S. FEDERAL REGULATIONS:

TSCA REGULATORY:

This material or its components are listed in the TSCA inventory.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting:

1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

SARA 302/304/311/312 Extremely Hazardous Substance

None

The following chemicals are reportable under Pennsylvania Right to know:

2-Propanol 67-63-0 60 to 70 %

New Jersey Right to know hazardous substance list

2-Propanol 67-63-0 60 to 70 %

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

None

16) OTHER INFORMATION:

Document Disclaimer

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Supersedes Issue Dated: New

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