

ETERNAL ISOPROPYL ALCOHOL 99%

Document N°: SDS-047

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Date: 05-12-2021

Validity: 60 months

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Section 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER**1.1 COMPANY IDENTIFICATION:**

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USA
Fax: +1 (305)-264-4768

E-mail address: customerservice@eternal-cosmetics.com**Emergency telephone number:** +1 (305) 262-5355

Cosmetic Manufactured License (State of Florida): 06526

1.2 PRODUCT INFORMATION

Product Identifier: High purity isopropyl alcohol, isopropanol
Synonyms: Isopropanol, Isopropyl Alcohol, 2-Propanol, sec-propyl alcohol, dimethylcarbinol, Rubbing alcohol, IPA 99%
Other means of identification: CAS# 67-63-0
Reach registration No.(s) 01-2119457558-25
Recommended use: General use organic solvent

Section 2: HAZARDS IDENTIFICATION

OSHA Hazards: Flammable Liquid, Target organ effect, Irritant
Target Organs: Cardiovascular system, gastrointestinal tract, kidney, liver, nerves

**GHS label elements (including precautionary statements)**

Signal Word: DANGER!
Hazard Statement(s):
H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Statement(s):
P261 Avoid breathing dust/fumes/gas/mist/vapors
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P501 Dispose of contents and container to an approved waste disposal plant
P240 Ground/bond container and receiving equipment

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P337 + P313	If eye irritation persists: Get medical attention
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P370 + P378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed
P102	Keep out of reach of children
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P243	Take precautionary measures against static discharge
P241	Use explosion-proof electrical, ventilating and lighting equipment
P242	Use only non-sparking tools
P271	Use only outdoors or in a well-ventilated area
P264	Wash hands thoroughly after handling
P280	Wear protective gloves and eye and face protection

GHS Classification(s):

Eye Irritation (Category 2)

Flammable Liquids (Category 2)

Specific Target Organ Toxicity – single exposure (Category 3)

Other hazards which do not result in classification:**Potential Health Effects:**

Organ	Description
Eyes	Can cause irritation to the eyes
Ingestion	Can be harmful if ingested
Inhalation	Can be harmful if inhaled. Can cause respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Skin	Can cause irritation if absorbed through skin

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity:	Isopropyl Alcohol
Common name / Synonym:	Isopropanol, Isopropyl Alcohol, 2-Propanol, sec-propyl alcohol, dimethylcarbinol, Rubbing alcohol, IPA 99%
CAS #:	67-63-0
EINECS #:	200-661-7
ICSC #:	0554
RTECS #:	NT8050000
UN #:	1219
EC #:	603-117-00-0

% Weight	Material	CAS
99.9	Isopropyl Alcohol	67-63-0

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Section 4: FIRST AID MEASURES**General Advice**

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Skin

Immediately flush affected area with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. Contact a doctor. If irritation persists, get medical attention.

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

Eyes

Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

Ingestion

NEVER give anything by mouth to an unconscious person. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Immediately have victim drink several glasses of water to dilute. Seek medical attention.

Section 5: FIRE FIGHTING MEASURES**Suitable (and unsuitable) extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Carbon oxides expected to be the primary hazardous combustion product

Special protective equipment and precautions for fire fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

Unusual Fire and Explosion Hazards:

- Vapors may travel to source of ignition and flash back

Flammable Properties

Classification OSHA/NFPA Class IB Flammable Liquid

Flash Point 12° C (53°F) – closed cup

Autoignition temperature 399° C (750°F)

Section 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

Methods and materials for containment and clean up:

Contain spill, then collect with an electrically protected vacuum cleaner or by wet-brushing and put material into a convenient waste disposal container. Keep container closed.

Section 7: HANDLING AND STORAGE**Precautions for safe handling:**

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Do not get on skin or in eyes. Do not inhale vapors or mist. Keep away from sources of ignition-no smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters, e.g., occupational exposure limit values or biological limit values:

Occupational Exposure Limits

Component	Source	Type	Value	Note
Isopropyl Alcohol	US (OSHA)	TWA	400 ppm	
Isopropyl Alcohol	US (ACGIH)	TWA	200 ppm	
Isopropyl Alcohol	US (ACGIH)	STEL	400 ppm	

Appropriate engineering controls:

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

Individual protection measures, such as personal protective equipment:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU). Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection:

Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (<i>physical state, color, etc.</i>)	Liquid.
Form	Clear, Colourless
Odour	Odour of alcohol
Odour threshold	30ppm
pH	Neutral
Freezing point	-89° C
Initial boiling point and boiling range	82-83°C
Flash point	12-15°C – Closed cup
Evaporation rate	1.5 – 2.2 (n-butyl acetate 01)
Flammability (solid, gas)	Flammable

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Upper / Lower flammability or explosive limits	12.7% (V) / 2.0%(V)
Vapor pressure	4.4 kPa at 20°C (68°F)
Vapor density	1.05 where air = 1 at 20°C (68°F)
Relative density	0.858 g/cm ³ at 25°C (77°F)
Solubility(ies)	alcohol, ether, chloroform
Partition coefficient n-octanol/water(ies)	Log Pow: 0.05
Auto-ignition temperature	399°C (750°F)
Decomposition temperature	Specific data not available
Formula (ISOPROPYL ALCOHOL)	C ₃ H ₈ O
Molecular weight (ISOPROPYL ALCOHOL)	60.1 g/mol

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid (e.g., static discharge, shock or vibration)	Heat, flames and spark. Extreme temperatures and sunlight.
Incompatible materials	Oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids
Hazardous decomposition products	Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products

Section 11: TOXICOLOGICAL INFORMATION

Isopropyl Alcohol 67-63-0

Product Summary: Long term exposure (2 years) to Isopropyl Alcohol via inhalation at concentrations up to 5000 ppm caused to exposure related increases in tumors in animals. No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Acute Toxicity:

LC50 Inhalation	Rat	16,000 mg/kg	8 hours
LD50 Dermal	Rabbit	12,800 mg/kg	
LD50 Oral	Rat	5,045 mg/kg	Behavioral abnormalities observed such as altered sleep time and decreased activity

Irritation:**Eyes**

Rabbit – Irritating to eyes – 24 hours

Eyes (ISOPROPANOL)

Mildly irritating to the eye at an airborne concentration of 400 ppm, unpleasant at 800 ppm

Respiratory or Skin Sensitization

No data available

Skin

Rabbit – mild skin irritation

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Specific target organ toxicity – single exposure (Globally Harmonized System)

Inhalation – May cause drowsiness or dizziness – central nervous system

Carcinogenicity

IARC: Group 3: Not classifiable as to its carcinogenicity to humans.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other Hazards

Organ	Description
Eyes	Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury.
Ingestion	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.
Inhalation	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause narcotic effects in high concentration. Causes upper respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. The probable oral lethal dose in humans is 240 ml (2696 mg/kg), but ingestion of only 20 ml (224 mg/kg) has caused poisoning.
Skin	May cause irritation with pain and stinging, especially if the skin is abraded. Isopropanol has a low potential to cause allergic skin reactions; however, rare cases of allergic contact dermatitis have been reported. May be absorbed through intact skin. Dermal absorption has

Section 12: ECOLOGICAL INFORMATION

Isopropyl Alcohol 67-63-0 Ecotoxicity (aquatic and terrestrial, where available): Acute Fish Toxicity (ISOPROPANOL) LD50 / 96 hours Pimephales promelas: 9,640 mg/L

Toxic to Daphnia and Other Aquatic Invertebrates EC50 / 24 h / Water Flea – 5,102 mg/L

Toxicity to Aquatic Plants (ISOPROPANOL) EC50 / 72 hours Desmodemus subspicatus > 2,000 mg/L

Toxicity to Daphnia and other aquatic invertebrates Immobilization EC50 / 24 h / Water Flea - 6,851 mg/L

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Other adverse effects: No data available

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Section 13: DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Section 14: TRANSPORT INFORMATION

DOT UN-Number: 1219 **Class:** 3 **Packing Group:** II **Label Statement:** Flammable Liquid

IMDG UN-Number: 1219 **Class:** 3 **Packing Group:** II

EMS-No: F-E, S-D

Proper shipping name: ISOPROPANOL

Marine pollutant: No

IATA UN-Number: 1219 **Class:** 3 **Packing Group:** II

Proper shipping name: Isopropanol

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question:

OSHA Hazards

Flammable liquid, Target Organ Effect, Irritant

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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The following components are subject to reporting levels established by SARA Title III, Section 313: ISOPROPYL ALCOHOL (CAS# 67-63-0) Revision date: 1987-01-01

SARA 311/312 Hazards

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

CERCLA

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

Massachusetts Right to Know Components

Isopropyl Alcohol CAS-No. 67-63-0 Revision Date 1987-01-01

Pennsylvania Right to Know Components

Isopropyl Alcohol CAS-No. 67-63-0 Revision Date 1987-01-01

New Jersey Right to Know Components

Isopropyl Alcohol CAS-No. 67-63-0 Revision Date 1987-01-01

California Prop 65 Components

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

Section 16: OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**NFPA:****Disclaimer**

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