

1. IDENTIFICATION

Product identifier: Isopropyl Alcohol 70% Sterile 500 mL;
Isopropyl Alcohol 70% Untinted 500 mL
Synonyms: 5000023626, 5000023627

Contact: Evaris Pharma
Address: 25-29 Delawney Street
Balcatta, Western Australia, 6021

Telephone number: +61 8 9441 7800
Australia Emergency telephone: Poisons Information Centre: 13 11 26
New Zealand Emergency telephone: National Poisons Center: 0800764766

Recommended use: Disinfection of surfaces and equipment
Restrictions on use: None

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Flammable Liquid Category 2 (H225)	Eye Irritation Category 2A (H319) Specific Target Organ Toxicity Single Exposure Category 3 (narcotic effects) (H336)

Label Elements

DANGER!



Hazard statement(s)

Highly flammable liquid and vapour
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Avoid breathing mist or vapour.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.

Precautionary statement(s)

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 attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
IF on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
In case of fire: Use water fog or spray, carbon dioxide, dry chemical or alcohol-resistant foam to extinguish.
Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Wear eye protection.

Store locked up.

Dispose of container and contents in compliance with all national and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration	Substance Classification
Isopropanol	67-63-0	70% v/v	Flammable Liquid Category 2 (H225) Eye Irritation Category 2A (H319) Specific Target Organ Toxicity Single Exposure Category 3 (narcotic effects) (H336)
Water	7732-18-5	to 100% v/v	Not Hazardous

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: If irritation develops and persists get medical attention. Remove and contaminated clothing and launder it before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids for at least 15 minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes serious eye irritation. Ingestion may cause gastrointestinal irritation and nervous system effects. Inhalation of vapours may cause respiratory irritation and dizziness and drowsiness.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention may be required for large ingestions.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water fog or spray, carbon dioxide, dry chemical or alcohol-resistant foam.

Specific hazards arising from the chemical: Highly flammable liquid and vapour. Vapours are heavier than air and can flow to remote ignition sources and flash back. Vapours may be explosive in confined areas. Vapours will collect in low areas. Vapours may be ignited by static sparks. Flames may be invisible in daylight.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Eliminate all ignition sources and ventilate the area with explosion-proof equipment.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Use non-sparking tools and equipment. Collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye contact. Avoid breathing vapours. Avoid breathing vapours. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Keep product away from heat, sparks and all other sources of ignition. Do not smoke while using. Do not leave the container in direct sunlight.

Conditions for safe storage, including any incompatibilities: Protect containers from physical damage. Store in a cool area. Keep away from excessive heat and open flames. Store out of direct sunlight. Store away from oxidizers. Store below 25°C. Keep containers closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH TLV 400 ppm TWA, 500 ppm STEL AU OEL 400 ppm TWA, 500 ppm STEL NZ OEL
-------------	---

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels. Use explosion-proof equipment where required.

Individual protection measures:

Respiratory protection: If exposure levels are exceeded or irritation is experienced, an approved organic vapour or supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with applicable regulations and good Industrial Hygiene practice.

Skin protection: Impervious gloves recommended.

Eye protection: Chemical safety goggles recommended if needed to avoid eye contact.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.): Clear, colourless liquid

Odour: Spirituous odour

Odour threshold: 200 ppm (isopropanol)	pH: Not determined
Melting point/freezing point: -89.5°C (isopropanol)	Boiling Point: 82.4°C (isopropanol)
Flash point: 12°C (isopropanol)	Evaporation rate: 2.3 (n-Butyl Acetate = 1)
Flammability (solid, gas): Not applicable	VOC: 70% v/v
Flammable limits: LEL: 2% (isopropanol)	UEL: 12.7% (isopropanol)
Vapour pressure: 45.4 mmHg @ 25°C (isopropanol)	Vapour density: 2.1 (isopropanol)
Relative density: 0.869-0.894 g/mL	Solubility(is): Soluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not determined

Decomposition temperature: Not determined	Viscosity: Not determined
Particle Characteristics: Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: Reaction with strong oxidizers will generate heat and cause fire.

Conditions to avoid: Avoid heat, sparks, flames, and all other sources of ignition.

Incompatible materials: Avoid oxidizing agents, acids and bases.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of vapours may cause irritation of the mucous membranes and upper respiratory tract and central nervous system effects such as dizziness, drowsiness and headache.

Ingestion: Swallowing may cause gastrointestinal irritation and nervous system effects such as drowsiness and dizziness.

Skin contact: May cause skin irritation and dryness.

Eye contact: Contact may cause irritation with redness, pain and tearing.

Chronic Effects: None known.

Acute Toxicity Values: Isopropanol: LD50 oral rat 5045 mg/kg; LD50 dermal rabbit 12,800 mg/kg.

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory Sensitization: Not classified.

Skin Sensitization: Not a sensitizer.

Germ Cell Mutagenicity: Isopropyl alcohol is not a germ cell mutagen.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, or ACGIH.

Reproductive Toxicity: Isopropyl alcohol is not a reproductive toxin.

Specific Target Organ Toxicity (STOT) – single exposure: Inhalation of vapors may cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) – repeated exposure: Not classified.

Aspiration Hazard: Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity values:

Isopropyl Alcohol 70%

Isopropanol: LC50 fathead minnows (*Pimephales promelas*), 230 mg/L/96 hr; EC50 water flea (*Daphnia magna*), immobilization: 7,550-13,299 mg/L/48 hr; EC50 alga *Scenedesmus* sp., Growth rate inhibition: >1,000 mg / 72 hr

Persistence and degradability: Isopropanol is readily biodegradable.

Bioaccumulative potential: Isopropanol does not bioaccumulate

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
IMDG	UN1219	Isopropanol	3	II	No
IATA	UN1219	Isopropanol	3	II	No
ADG	UN1219	Isopropanol	3	II	No

Hazchem Code: ●2YE

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not scheduled.

Australia Inventory: Components are listed on AICS.

New Zealand Inventory: Components are listed on the New Zealand inventory.

HSNO Number: HSR006432

Agricultural Compounds and Veterinary Medicines Act 1997: Not applicable.

Montreal Protocol: Not applicable

Stockholm Convention: Not applicable

Rotterdam Convention: Not applicable

Basel Convention: Not applicable

International Convention on the Prevention of Pollution from Ships (MARPOL): Not applicable

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 3 Instability = 0

HMIS Rating: Health = 2 Flammability = 3 Physical Hazard = 0

Date of preparation: 14/06/2016

Date of last revision: 30/09/2021

Full Text of GHS Classification and H Phrases from Section 3:

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

List of Abbreviations or Acronyms:

ACGIH American Conference of Industrial Hygienists
ADG Australian Dangerous Goods
AICS Australian Inventory of Chemical Substances
AU Australia
EC Effective Concentration
EU European Union
GHS Globally Harmonized System of Classification and Labelling of Chemicals
HSNO Hazardous Substances and New Organisms
IARC International Agency of Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
LC Lethal Concentration
LD Lethal Dosage
LEL Lower Explosive Limit
NTP National Toxicology Program
NZ New Zealand
OEL Occupational Exposure Limits
US OSHA United States Occupational Safety and Health Administration
PEL Permissible Exposure Limit
SDS Safety Data Sheet
STEL Short Term Exposure Limit
TWA Time-Weighted Average
UEL Upper Explosive Limit
VOC Volatile Organic Compounds
WES Workplace Exposure Standards
WHS Work Health and Safety

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).