

Version 1.0

Issue date: 15-01-2025

SDS Record Number: CSSS-TCO-010-131862

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:	Isopropyl alcohol
Additional identification:	Not available
Identification of the product:	CAS# 67-63-0 EC# 200-661-7
Index Number:	603-117-00-0
REACH registration No.:	01-2119457558-25-xxxx

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Mainly used in pharmaceutical, cosmetics, fragrances, paint and electronics industry as a dehydrating agent and cleaning agent.

PC 0: Other: Oil in water emulsion breaker

PC 0: Other: monomer in polymer

PC 0: Other: masonry treatment products

PC 1: Adhesives, sealants

PC 2: Adsorbents

PC 3: Air care products

PC 4: Anti-freeze and de-icing products

PC 8: Biocidal products (e.g. disinfectants, pest control)

PC 9a: Coatings and paints, thinners, paint removes

PC 9b: Fillers, putties, plasters, modelling clay

PC 9c: Finger paints

PC 12: Fertilisers

PC 13: Fuels

PC 14: Metal surface treatment products

PC 15: Non-metal-surface treatment products

PC 16: Heat transfer fluids

PC 17: Hydraulic fluids

PC 18: Ink and toners

PC 19: Intermediate

PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents

PC 21: Laboratory chemicals

PC 23: Leather treatment products

PC 24: Lubricants, greases, release products

PC 25: Metal working fluids

PC 26: Paper and board treatment products

PC 27: Plant protection products

PC 28: Perfumes, fragrances

PC 29: Pharmaceuticals

PC 30: Photo-chemicals

PC 31: Polishes and wax blends

PC 32: Polymer preparations and compounds

PC 33: Semiconductors

PC 34: Textile dyes, and impregnating products

PC 35: Washing and cleaning products

PC 36: Water softeners

PC 37: Water treatment chemicals

PC 38: Welding and soldering products, flux products

PC 39: Cosmetics, personal care products

PC 40: Extraction agents

PC 41: Oil and gas exploration or production products

SU 0: Other: Use for adhesives, lubrication, soldering, moulding or processing aids in various industry sectors

SU 0: Other: SU 3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU 0: Other: packaging detergents, laundry and dishwash

SU 0: Other: SU 22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU 1: Agriculture, forestry and fishing

SU 2a: Mining (without offshore industries)

SU 2b: Offshore industries

SU 4: Manufacture of food products

SU 5: Manufacture of textiles, leather, fur

SU 6a: Manufacture of wood and wood products

SU 6b: Manufacture of pulp, paper and paper products

SU 7: Printing and reproduction of recorded media

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 11: Manufacture of rubber products

SU 12: Manufacture of plastics products, including compounding and conversion

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU 14: Manufacture of basic metals, including alloys

SU 15: Manufacture of fabricated metal products, except machinery and equipment

SU 16: Manufacture of computer, electronic and optical products, electrical equipment

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

SU 18: Manufacture of furniture

SU 19: Building and construction work

SU 20: Health services

SU 24: Scientific research and development

1.2.2 Uses advised against:

No uses advised against are identified.

1.3 Details of the Distributor:

Distributor: Interchem Limited
Address: 9th Avenue South, Barataria
Phone: (868) 235-CHEM (2436)
Email: sales@interchem.co.tt

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Flam. Liquid. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:



Signal Word(S):

Danger

Hazard Statement:

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary statement:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof [electrical/ventilating/lighting] equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P261: Avoid breathing dust/fume/ gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P340: If inhaled: remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a poison center/doctor if you feel unwell.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P370 + P378: In case of fire: use water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry powder to extinguish.

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.

P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

The substance is not PBT / vPvB.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
2-Propanol	01-2119457558-25-xxxx	67-63-0	200-661-7	99.9%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air.

4.1.2 In case of skin contact:

Wash off with plenty of water.

4.1.3 In case of eyes contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.4 In case of ingestion:

Drink plenty of water. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

Causes serious eye irritation. May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry powder

Unsuitable extinguishing media: High volume water.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Oxides of carbon.

5.3 Advice for firefighters:

Self-contained breathing apparatus with full-face mask and full protective clothing (standard wear).

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Ensure adequate ventilation. Keep away from sources of ignition - No smoking.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated.

6.2 Environmental Precautions:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.3 Methods and material for Containment and Cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Ensure adequate ventilation. Vapors are heavier than air and may spread along floors. Keep away from sources of ignition - No smoking. Vapors may form explosive mixtures with air. Do not allow to enter drains (danger of explosion). Take precautionary measures against static discharges.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Container material suitable materials: stainless steel.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Country	Substance	EINECS No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
				ppm	mg/ m3	ppm	mg/ m3	Note
Ireland	Isopropyl alcohol	200-661-7	67-63-0	200	-	400	-	Sk

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Workers - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=500 mg/m ³
Workers - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=888 mg/kg bw/day
General Population - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=89 mg/m ³
General Population - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=319 mg/kg bw/day
General Population - Hazard via oral route	Systemic effects-Long term exposure	DNEL=26 mg/kg bw/day
Hazard for aquatic organisms	Freshwater	PNEC=140.9 mg/L
Hazard for aquatic organisms	Marine water	PNEC=140.9 mg/L
Hazard for aquatic organisms	STP	PNEC=2251 mg/L
Hazard for aquatic organisms	Sediment (freshwater)	PNEC=552 mg/kg sediment dw
Hazard for aquatic organisms	Sediment (marine water)	PNEC=552 mg/kg sediment dw
Hazard for terrestrial organisms	Soil	PNEC=28 mg/kg soil dw
Hazard for predators	Secondary poisoning	PNEC=160 mg/kg food

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

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

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Tightly fitting safety goggles

Hand protection:

Gloves suitable for permanent contact: Material: Nitrile rubber/nitrile latex, Break through time: >= 480 min, Material thickness: 0.35 mm. Material: butyl-rubber, Break through time: >= 480 min, Material thickness: 0.5 mm. Gloves suitable for splash protection: Material: Polychloroprene, Break through time: >= 240 min, Material thickness: 0.5 mm. Unsuitable glove: Material: Natural rubber/natural

	latex, Polyvinylchloride.
Body protection:	Standard work wear and safety boots for normal handling and use.
Respiratory protection:	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Colorless
Odour:	Alcohol-like
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	-88.5 °C
Boiling point/range (°C):	80.3 °C
Flash point (°C):	12 °C (closed cup)
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable
Ignition temperature (°C):	Not available
Upper/lower explosive/ flammability limits:	12.7 vol % / 2.0 vol%
Vapour pressure (20°C):	4.4 kPa
Vapour density:	Not available
Relative Density:	0.79 (water=1)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Miscible
n-Octanol/Water (log Po/w):	0.05
Auto-ignition temperature:	455.6 °C
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	2.038 mPa s (25.0°C)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	C ₃ H ₈ O
Molecular Weight:	60.1

9.2. Other information:

Fat solubility(solvent-oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	15.31
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known. Vapors may form explosive mixture with air.
10.4 Conditions to avoid:	Incompatible materials. High temperatures. Proximity to sources of ignition.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Oxides of carbon.

Section 11 Toxicological information

11.1 Information on toxicological effects:	
Acute toxicity:	
LD50(Oral, Rat):	5.84 g/kg
LD50(Dermal, Rabbit):	16.4 mL/kg bw
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	May cause drowsiness or dizziness.
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

Section 12 Ecological information

12.1 Toxicity:	
Acute (short-term) toxicity:	
LC50(96h, Fish):	9640 mg/L
EC50(48h, Crustacea):	Not available
EC50(72h, Algae/aquatic plants):	Not available
Chronic (long-term) toxicity:	
NOEC(Fish):	Not available
NOEC(Crustacea):	Not available
EC50(Algae/aquatic plants):	Not available
12.2 Persistence and degradability:	Readily biodegradable.
12.3 Bioaccumulative potential:	Not available.
12.4 Mobility in soil:	Not available.
12.5 Results of PBT and vPvB assessment:	The substance is not PBT / vPvB.
12.6 Other adverse effects:	Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	1219	1219	1219	1219
UN Proper shipping name	ISOPROPANOL	ISOPROPANOL	ISOPROPANOL	ISOPROPANOL
Transport hazard Class(es)	3	3	3	3
Packing group	II	II	II	II
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	IBC02	IBC02	IBC02	IBC02

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical safety assessment

YES

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NO

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Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008		Classification procedure
Flam. Liquid. 2	H225	On basis of test data
Eye Irrit. 2	H319	On basis of test data
STOT SE 3	H336	On basis of test data

16.5 Relevant H-statements (number and full text):

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.