



SAFETY DATA SHEET

IPA 99.9%

Preparation

Date: 12.11.2024

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY IDENTITY

Product Identifier

Identification of the Substance : Isopropyl Alcohol 99.9% / Isopropanol 99.9%

Recommended Use : Solvent, industrial use.

Suppliers Details

Company Address : Solco Solutions (PTY) LTD
165 Peaceway
Drummond, Durban,
KZN, South Africa

Emergency Telephone Number : +27 82 352 0152 (Office hours)
e-mail : info@solcosolutions.co.za

2. HAZARD IDENTIFICATION

This safety data sheet is provided as a courtesy to convey information and help assist in the safe handling and proper use of this product during transport and storage.

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272 /2008

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

Specific target organ toxicity – single exposure (Category 3), H336

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Labelling according to Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statements

H225

Highly flammable liquid and vapor

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness

Precautionary statements



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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P241	Use explosion-proof electrical / ventilating / lighting/equipment.
P261	Avoid breathing fume / vapours / spray.
P280	Wear protective gloves / protective clothing/ eye protection / face.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370+P378	IN CASE OF FIRE: Use dry sand, dry chemical or alcohol resistant foam to extinguish.
P403+P235+P410	Store in a well ventilated area. Keep cool. Protect from sunlight.

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION

This substance /mixture contains no components considered to be either persistent bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients in the product do not result in exposure to hazardous chemicals

INCI Name	CAS Number	EC-No	Concentration % v/v	Classification
Isopropyl Alcohol	67-63-0	200-661-7	≥ 99.9	Flamm. 2 (H225) Eye Dam. 2 (319) STOT SE 3 (H336)

4. FIRST AID MEASURES

<u>Skin Contact</u>	: Take off immediately all contaminated clothing. Rinse skin with plenty of water/ shower.
<u>Eye Contact</u>	: Immediately rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if safe to do so. Contact doctor if irritation persists.
<u>Inhalation</u>	: Remove victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<u>Ingestion</u>	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.



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INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY

Notes to Physician: No data available

5. FIRE FIGHTING MEASURES

Hazard Type

Highly flammable

Suitable Extinguishing media

Water spray, alcohol-resistant foam, dry chemical or Carbon Dioxide.

Unsuitable Extinguishing media

High volume water jet.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

Special hazards arising from the substance or mixture

Flash back possible over considerable distance.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from and upwind of spill/ leak. Remove all sources of ignition. Do not breath vapours or spray mist. Use non-sparking tools.

Protective Equipment

Use personal protective equipment, e.g., safety glasses, masks and suitable gloves.

Environment Precautions

Prevent product entering drains. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Contain spill using sand or other absorbent material (e.g. sand, universal binder, sawdust). Collect residues and seal in drums labelled for disposal according to local regulations. Clean up affected area.

7. HANDLING AND STORAGE

Precautions for safe handling

- : Wear personal protective equipment. Take precautionary measures against static discharge. Ensure all equipment is electrically grounded before transfer operations.
- : Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.



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Storage Conditions

: Store between 5 and 25°C in a dry and well-ventilated place away from sources of heat, ignition and direct sunlight. Keep containers tightly closed. Keep away from oxidising agents, strongly acid or alkaline materials and amines.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls: Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective controls:

Eye/face protection : Safety glasses with side shields.

Hand / Skin protection : Use suitable gloves for permanent contact. Protective suit and safety shoes.

Hygiene measures : Wash hands before and immediately after handling the product.

Environmental exposure controls: Keep container tightly sealed when not in use. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, Colour, etc.):	Liquid.
Odour:	Characteristic.
Colour:	Colourless
Solubility:	Soluble in water.
Relative Density:	0.79
pH:	Not applicable
Flash Point:	11.7°C- closed cup

10. STABILITY AND REACTIVITY

Chemical stability

The product is chemically stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not allow vapours to accumulate in low or confined spaces,(may form explosive mixture with air).

Hazardous decomposition products

No decomposition if stored normally.

Incompatible materials

Strong acids and oxidising agents.



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11. TOXICOLOGICAL INFORMATION

Product information

Information on likely routes of exposure

Inhalation

Shall not be classified as a respiratory sensitizer

Skin Contact

This mixture is considered a skin irritant

Eye Contact

Causes serious eye irritation

Delayed and immediate effects as well as chronic effects from short- and long-term exposure

Acute toxicity

Based on available data, the classification criteria are not met. No toxicological data available.

Skin Corrosion/Irritation

Based on available data, the classification criteria are not met. No toxicological data available.

Serious Eye Damage/Eye Irritation

Based on available data, causes serious eye irritation.

Respiratory or Skin Sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

STOT single exposure

Category 3

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.



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12. ECOLOGICAL INFORMATION

Eco-Toxicity

No acute ecological hazards are expected with this product at the concentrations predicted under normal use and accidental spill scenarios.

Persistence and degradability

No data available.

Bio-Accumulative Potential

No data available on bioaccumulation potential of the mixture

Mobility in soil

No data available

13. DISPOSAL CONSIDERATIONS

Disposal considerations

The product should be disposed off in accordance with local regulations and should not be directly entered into sewage systems, nor should it be disposed of into the local environment.

14. TRANSPORT INFORMATION

DG Pictogram



CLASSIFICATIONS FOR TRANSPORT UNDER:

ADR	: European agreement on the International Carriage of Dangerous Goods by Road. UN number:1219 UN proper shipping name: Isopropanol Transport hazard class: 3 Packaging group: II Environmental hazards: No
RID	: Regulations concerning International Carriage of Dangerous Goods by Rail UN number:1219 UN proper shipping name: Isopropanol Transport hazard class: 3 Packaging group: II



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ICAO/IATA	Environmental hazards: No : International Air Transport Association Standard for transportation of Dangerous by Air UN number:1219 UN proper shipping name: Isopropanol Transport hazard class: 3 Packaging group: II
IMO/IMDG	Environmental hazards: No : International Maritime Dangerous Goods Code UN number:1219 UN proper shipping name: Isopropanol Transport hazard class: 3 Packaging group: II Marine pollutant: No

15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 on classification, labelling and packaging of substances and mixtures
- Occupational Health and Safety Act 85 of 1993

16. OTHER INFORMATION

Revision of Safety Data Sheet	Revision Date	Revision Number
	12 th November 2024	Revision 1.0
Reason for revision	First Issue	
Abbreviations	PPE: Personal Protective Equipment STOT: Specific Target Organ Toxicity H225: Highly flammable liquid and vapour H319: Causes severe eye irritation H 336: May cause drowsiness or dizziness	

DISCLAIMER

The information contained in this Safety Data Sheet is based upon the prevailing knowledge and information available at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality inspection.

The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.