Isopropyl Alcohol Spray – SDS V1.2

ISOSPRAY 80% SOLUTION

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	ISOSPRAY
SDS Number	:	0012565
Product Use Description	:	Hand Sanitiser - Liquid
Manufacturer or supplier's	:	Wholesale Hand Sanitiser
For more information call	:	1300 883 973 (Monday-Friday, 9:00am – 4.00pm)
In case of emergency call	:	+488 183 880

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification of the substance or mixture	:	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure, Category 3, narcotic effect

GHS Label elements, including precautionary statements

Symbol(s)

Signal word	:	Danger
Hazard statements	:	Highly flammable liquid and vapour.

Causes serious eye irritation.
May cause drowsiness and dizziness.

Precautionary statements : **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.
Avoid breathing fume/ gas/ mist/ vapours/ spray.
Do not apply excessive amounts to the skin
Do not apply to sensitive skin

Response:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/ attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

Disposal:
Dispose of contents/ container based on local regulations (please see with local council)

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS	CONC
Isopropyl Alcohol	67-63-0	80%
Glycerol	56-81-5	0-1%
Water Aqua	7732-18	0-20%
Tocopheryl Acetate	7695-91-2	0-1%

Chemical nature	:	Substance
CAS-No.	:	67-63-0

Hazardous components

Chemical name	CAS-No.	Concentration
Propan-2-ol	67-63-0	<= 80%

4. FIRST AID MEASURES

Inhalation	:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.
Skin (Excessive contact outside its intended use)	:	Wash off immediately with plenty of water for at least 5 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.
Eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
Ingestion	:	Do not induce vomiting without medical advice. Immediate medical attention is required. Never give anything by mouth to an unconscious person. Call a physician.
Notes to physician	:	Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Cool closed containers exposed to fire with water spray.
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during	:	Flammable.

firefighting		Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2)
	:	Highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2)
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus and protective suit.
Further information	:	HAZCHEM Code: 2YE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear personal protective equipment. Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition. Do not swallow. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.
Methods for cleaning up	:	Ventilate the area. No sparking tools should be used. Use explosion-proof equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

national regulations (see section 13).

7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	Wear relevant personal protective equipment. Use only in well-ventilated areas. Keep container tightly closed. Do not smoke. Do not swallow. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.
Advice on protection against fire and explosion	:	Keep away from fire, sparks and heated surfaces. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations. Keep product and empty container away from heat and sources of ignition. No sparking tools should be used. No smoking.

Storage

Requirements for storage areas and containers	:	Store in area designed for storage of flammable liquids. Protect from physical damage. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store away from incompatible substances. Container hazardous when empty. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Materials to avoid	:	Strong acids, Strong oxidizing agents, Keep away from metals., Acetaldehyde, Aluminium, Chlorine, Ethylene oxide, Isocyanates, Oxygen, May attack many plastics, rubbers and coatings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
Isopropanol	67-63-0	TWA : Time Weighted Average (TWA):	400 ppm 983 mg/m3	12 2011	AU NOEL: Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)
		STEL : Short Term Exposure Limit (STEL):	500 ppm 1,230 mg/m3	12 2011	AU NOEL: Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

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Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.
Use NIOSH approved respiratory protection.

Hand protection : Solvent-resistant gloves
Gloves must be inspected prior to use.
Replace when worn.

Eye protection : Do not wear contact lenses.
Wear as appropriate:
Safety glasses with side-shields
If splashes are likely to occur, wear:
Goggles or face shield, giving complete protection to eyes

Hygiene measures : When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Colour	:	colourless
Odour	:	slight alcohol-like
pH	:	Note: Not applicable
Melting point/range	:	-88 °C
Boiling point/boiling range	:	82.3 °C
Flash point	:	54 °F (12 °C) Method: closed cup
Lower explosion limit	:	2 %(V)
Upper explosion limit	:	12.0 %(V)
Vapour pressure	:	44 hPa at 20 °C(68 °F)
Vapour density	:	2.1 Note: (Air = 1.0)
Density	:	0.785 g/cm3 at 20 °C

Water solubility	:	Note: completely soluble
Ignition temperature	:	399 °C
Viscosity, dynamic	:	2.1 mPa.s at 25 °C
Molecular weight	:	60.11 g/mol

10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Hazardous polymerization does not occur.
Conditions to avoid	:	Heat, flames and sparks. Keep away from direct sunlight.
Incompatible materials to avoid	:	Strong acids Strong oxidizing agents Keep away from metals. Acetaldehyde Aluminium Chlorine Ethylene oxide Isocyanates Oxygen May attack many plastics, rubbers and coatings.
Hazardous decomposition products	:	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2)

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50: 5,045 mg/kg Species: Rat
Acute inhalation toxicity	:	LC50: 16000 ppm Exposure time: 8 h Species: Rat
Acute dermal toxicity	:	LD50: 12,800 mg/kg Species: Rabbit
Skin irritation	:	Species: Rabbit Result: slight irritation
Eye irritation	:	Species: Rabbit Result: Severe eye irritation

12. Ecological information

Toxicity

Toxicity to fish	:	LC50: > 5 g/l Exposure time: 24 h Species: Carassius auratus (goldfish)
	:	LC50: 8,970 mg/l Exposure time: 48 h Species: Leuciscus idus (Golden orfe)
	:	LC50: 10,400 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates	:	EC50: > 100 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity to algae	:	LC50: > 2,000 mg/l Exposure time: 72 h

Species: Desmodesmus subspicatus (green algae)

Toxicity to bacteria	:	EC50: 35,390 mg/l Exposure time: 5 min Species: Photobacterium phosphoreum

Persistence and degradability

Biodegradability	:	Biochemical Oxygen Demand (BOD) Biochemical oxygen demand within 5 days Value: 58 %

Other adverse effects

Additional ecological information	:	Accumulation in aquatic organisms is unlikely.

13. DISPOSAL CONSIDERATIONS

Product	:	In accordance with local and national regulations.

14. TRANSPORT INFORMATION

ADR

UN/ID No.	:	UN 1219
Description of the goods	:	ISOPROPANOL
Class	:	3
Packing group	:	II
Classification Code	:	F1
Hazard Identification Number	:	33
Labels	:	3

ADG_ROAD

UN/ID No.	:	UN 1219
Description of the goods	:	ISOPROPANOL
Class	:	3
Packing group	:	II
Hazard Identification Number	:	33
Labels	:	3

IATA

UN/ID No.	:	UN 1219
Description of the goods	:	Isopropanol
Class	:	3
Packing group	:	II
Labels	:	3
Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	353
Packing instruction (passenger aircraft)	:	Y341

IMDG

UN/ID No.	:	UN 1219
Description of the goods	:	ISOPROPANOL
Class	:	3
Packing group	:	II
Labels	:	3
EmS Number 1	:	F-E
EmS Number 2	:	S-D
Marine pollutant	:	no

HAZCHEM Code: 2YE

15. REGULATORY INFORMATION

National regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons	:	No poison schedule number allocated

Other international regulations

Notification status

US. Toxic Substances Control Act	:	On TSCA Inventory
Australia. Industrial Chemical (Notification and Assessment) Act	:	On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	:	All components of this product are on the Canadian DSL
Japan. Kashin-Hou Law List	:	On the inventory, or in compliance with the inventory
Korea. Existing Chemicals Inventory (KECI)	:	On the inventory, or in compliance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	:	On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances	:	On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	:	On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Dangerous Goods Code, No. 6 [National Road Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief 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 specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

End of Safety Data Sheet 13/11/24