

SAFETY DATA SHEET (GHS)

Issue Date: 10th August 2017
Version: 1
Revision Date: Not applicable
Print Date:

1. IDENTIFICATION OF THE PRODUCT / MIXTURE AND MANUFACTURER/IMPORTER

1.1 Product identifier

Product name: ISOCOL LOTION rubbing alcohol bottle 75mL
Product number: 56606

1.2 Other means of identification

None

1.3 Recommended use of the chemical and restrictions on use

Identified uses: Rubbing alcohol. Antiseptic, kills germs on surface of skin. Prevents pimples & acne. Aftershave. For external use only.

1.4 Details of the manufacturer and importer

Manufacturer: Nice-Pak Products Pty Ltd
120 Woodlands Drive, Braeside VIC 3195
Tel: 1800 506 750 Email: info@nicepak.com.au
Importer: Nice-Pak Products Pty Ltd
120 Woodlands Drive, Braeside VIC 3195
Tel: 1800 506 750 Email: info@nicepak.com.au

1.5 Emergency phone number (24 hours/7 days)

Emergency phone number: 13 11 26

2. HAZARDS IDENTIFICATION

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to WHS Regulations and the ADG Code

2.1 GHS Classification

Flammable liquid - category 2
Eye irritation - category 2A
Specific target organ toxicity (single exposure) – category 3

2.2 GHS Label elements, including precautionary statements

Pictograms:



GHS02 (Flame)



GHS07 (Exclamation mark)

Signal word: Danger

Hazard statement(s):
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statement(s):

Prevention:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof

		electrical/ventilating/lighting/intrinsically safe equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P261	Avoid breathing mist/vapours/spray.
	P264	Wash exposed skin thoroughly after handling
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection
Response:	P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
	P304+P340	IF INHALED: remove victim to fresh air and keep at rest in a position 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/physician if you feel unwell
	P337+P313	If eye irritation persists: Get medical advice/attention
	P370+P378	In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂) for extinction
Storage:	P403+P233	Store in a well-ventilated place. Keep container tightly closed
	P235	Keep cool
	P405	Store locked up
Disposal:	P501	Dispose of contents/container to comply with local, state and federal regulations

2.3 Other hazards None

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	Classification	Concentration
Isopropyl alcohol (2-Propanol; Isopropanol)	67-63-0	Flam. Liq. 2, H225 Eye irrit. 2A, H319 STOT SE 3, H336	64%
Non-hazardous ingredients	Not relevant	None	to 100%

For the full text of the H-Statements mentioned in this Section, refer to Section 16.

4. FIRST AID MEASURES

4.1 Description of necessary first aid measures

General advice:	Remove contaminated clothing and shoes immediately and launder thoroughly before reusing. Consult a Poisons Centre/doctor/physician if unwell. Show this safety data sheet to doctor in attendance.
If inhaled:	Remove to fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of eye contact:	Rinse immediately with plenty of water for at least 15 minutes holding the eyelids apart. Remove contact lenses, if present and easy to do. Consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Symptoms caused by exposure

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Medical attention and special treatment

No additional information available.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing equipment

Suitable extinguishing media:

Unsuitable extinguishing media: Solid water jet

5.2 Specific hazards arising from the substance/mixture/product

Flammable. Gas/vapour flammable and explosive with air within explosion limits. Gas/vapour spreads at floor level: ignition hazard. May be ignited by sparks. Upon combustion: carbon monoxide and dioxide are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage/in large quantities may form peroxides.

5.3 Special protective equipment and precautions for fire fighters

Special personal protective equipment:

Precautions: Cool endangered receptacles with water spray. Consider evacuation.

Hazchem code: 2YE

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment including protective gloves, goggles and clothing. Consider evacuation. Keep away and upwind from 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. Keep containers closed.

6.2 Environmental precautions

Avoid discharge into the environment. Prevent further leakage or spillage if safe to do so. Do not discharge into the drains/surface waters/groundwater or the subsoil/soil. Prevent from entering drains.

6.3 Methods and materials for containment and cleaning up

Ventilate the area. Collect and contain spillage, take up mechanically by absorbing with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Collect contaminated water / firefighting water separately. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear 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. Keep away from fire, sparks and heated surfaces. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations. Use explosion-proof equipment. Keep product and empty container away from heat and sources of ignition. No sparking tools should be used. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up and in area designed for storage of flammable liquids. Protect from physical damage. Store in original containers and keep tightly closed in 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 ignition sources. Keep away from direct sunlight. Store away from incompatible substances such as oxidizing

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agents, (strong) acids, (strong) bases, amines, halogens.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure control measures

Occupational exposure limits

Substance				CAS No.
Isopropyl alcohol	67-63-0	Value	Control Parameters	Basis Australia. Workplace Exposure Standards for Airborne Contaminants.
Isopropyl alcohol	67-63-0	TWA	400ppm 983 mg/m3	
Documentation source: American Conference of Governmental Industrial Hygienists (ACGIH), Documentation of Threshold Limit Values and Biological Exposure Indices, 6th Edition, ACGIH, Cincinnati, Ohio, 1991		STEL	500ppm 1230 mg/m3	

8.2 Biological monitoring

Name: 2-Propanol (CAS 67-63-0)
 Determinant: Acetone
 Specimen: urine
 Sampling time: End of shift at end of work week.
 Value: 40 mg/L
 Source: American Conference of Industrial Hygienists (ACGIH)

8.3 Control banding

Not applicable.

8.4 Engineering controls

Should be used with a local exhaust ventilation system. If the engineering controls are not sufficient to maintain concentrations of vapours/ mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940:2017 and AS/NZS 60079.10.1:2009 for further information concerning ventilation requirements. Ensure that eyewash stations and safety showers are close to the workstation location.

8.5 Individual protection measures include PPE

Eye/face protection:

Skin protection:

Suitable protective work wear. e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
 Wear gloves of impervious material such as butyl rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1.

Safety glasses should be worn (AS/NZS 1337). First aid according to...

Respiratory protection: Provide for good ventilation of working area (local exhaust ventilation, if necessary). If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be used.

Thermal hazards: Data not available

9. PHYSICAL/CHEMICAL PROPERTIES	
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9.1 Information on physical/chemical properties

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|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| a) Appearance: | |
| b) Odour: | Fresh mown grass |
| c) Odour threshold: | Data not available |
| d) pH: | 6.5 – 7.5 |
| e) Melting point/freezing point: | Data not available. 100% Isopropyl alcohol: -87.9°C (HSDB) |
| f) Initial boiling point/boiling range | < 95°C |
| g) Flash point: | 24°C (estimated) |
| h) Evaporation rate: | Data not available. 100% Isopropyl alcohol: 21 (Ether = 1), 1.7 (n-Butyl acetate = 1) (HSDB) |
| i) Flammability (solid, gas): | Flammable |
| j) Upper/lower flammability or explosive limits: | Data not available. 100% Isopropyl alcohol: Lower flammable limit: 2.0% by volume; Upper flammable limit: 12.7% by volume @ 93°C |
| k) Vapour pressure: | > 4.4 kPa @ 20°C (HSDB) |
| l) Vapour density: | Data not available. 100% Isopropyl alcohol: 2.1 (Air = 1) (HSDB) |
| m) Relative density: | 0.878 g/mL @ 15°C |
| n) Solubility: | Soluble in water |
| o) Partition coefficient: n-octanol/water: | Data not available |
| p) Auto-ignition temperature: | Data not available |
| q) Decomposition temperature: | Data not available. 100% Isopropyl alcohol: emits acrid smoke and fumes (HSDB) |
| r) Viscosity: | Data not available. 100% Isopropyl alcohol: 2.038 mPas at 25°C (HSDB) |

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10. STABILITY AND REACTIVITY	
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10.1 Reactivity

Reacts with incompatible materials.

10.2 Chemical stability

Stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur. Reacts with strong oxidizing agents and strong acids.

10.4 Conditions to avoid

Direct sunlight, heat, high temperature, open flame, sparks, other sources of ignition. Incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, alkalis, amines and aluminium.

10.6 Hazardous decomposition products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of nitrogen, carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION	
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11.1 Information on toxicological effects (of Isopropyl alcohol, data on product (Isocol) not available)

Acute oral toxicity:

Data not
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Skin corrosion/irritation:	Data not available to classify LD50 (rabbit): 12870 mg/kg
Serious eye damage/eye irritation:	Causes serious eye irritation LD50 (rat): 73 mg/l/4h
Respiratory or skin sensitization:	Data not available to classify
Germ cell mutagenicity:	Data not available to classify
Carcinogenicity:	Data not available to classify Listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC)
Reproductive toxicity:	Data not available to classify
Specific target organ toxicity - single exposure:	May cause drowsiness or dizziness
Specific target organ toxicity - repeated exposure:	Data not available to classify
Aspiration hazard:	Data not available to classify
Additional information:	Symptoms upon ingestion: Symptoms upon skin contact: Symptoms upon eye contact: Symptoms upon inhalation:

11.2 Information on possible routes of exposure (of Isopropyl alcohol, data on product (Isocol) not available)

Short Term (Acute) Exposure:

Swallowed: AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness. FOLLOWING SYMPTOMS MAY APPEAR LATER: Body temperature fall. Slowing respiration.

Eyes: Irritation of the eye tissue.

Skin: Dry skin.

Inhaled: EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Dry/sore throat. Central nervous system depression. Dizziness. Headache. Narcosis.

Long Term (Chronic) Exposure:

Swallowed: Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Impaired memory.

Eyes: Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision and redness.

Skin: Red skin. Dry skin. Itching. Cracking of the skin. Skin rash/inflammation.

Inhaled: May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.

11.3 Early onset symptoms related to exposure

Refer to section 11.2

11.4 Delayed health effects from exposure

Refer to section 11.2

11.5 Exposure levels and health effects

Refer to section 11.2

11.6 Interactive effects

Refer to section 11.2

11.7 Other

Not known

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity (of Isopropyl alcohol, data on product (Isocol) not available)

It is not expected to produce significant acute Ecotoxicity upon exposure to aquatic organisms and aquatic systems. Ecotoxicity - air : TA-Luft Klasse 5.2.5. Ecotoxicity - water : Ground water pollutant. Not harmful to fishes (LC50(96h) >1000 mg/l). Not harmful to invertebrates (Daphnia) (EC50 (48h) > 1000 mg/l). Not harmful to algae (EC50 (72h) >1000 mg/l). Inhibition of activated sludge.

12.2 Persistence/degradability (of Isopropyl alcohol, data on product (Isocol) not available)

Readily degradable(95% degradable (OECD 301 E, 21 days)).

12.3 Bioaccumulative potential (of Isopropyl alcohol, data on product (Isocol) not available)

Bioconcentration factor (BCF): :> 70%. Log Kow <4. Low potential for bioaccumulation.

12.4 Mobility in soil (of Isopropyl alcohol, data on product (Isocol) not available)

Surface tension 0.021N/m @ 25°C. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

12.5 Other adverse effects (of Isopropyl alcohol, data on product (Isocol) not available)

Not known

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws in their area. In some areas, certain waste must be tracked. Dispose of waste according to applicable local, state and federal regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. 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. Advise flammable nature.

14. TRANSPORT INFORMATION

UN number:

UN proper shipping name or technical name: Alcohol N.O.S. [isopropyl alcohol]

Transport hazard class(es):

ADR/RID: 3 IMDG: 3 IATA-DGR: 3

Packaging group:

III

Environmental hazards:

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

Special precautions for user:

No data available

Additional information:

None

Hazchem or emergency action code:

2[Y]E

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15. REGULATORY INFORMATION

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

Classified as Hazardous according to the criteria of the National Occupational Health and Safety Commission (NOHSC) approved criteria for the classifying hazardous substances [NOHSC: 1008] 3rd edition.

Standard for the Uniform Scheduling of Medicines and Poisons

Carcinogen classification under WHS Regulation 2011, Schedule 10

Listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC)

Notification status

AICS (Australia):

Yes

DSL Canada):

Yes

EINEC (Europe):

Yes

Not sche

ENCS (Japan):	Yes
IECSC (China):	Yes
KECI (Korea):	Yes
NZIoC (New Zealand):	Yes
PICCS (Philippines):	Yes
TSCA (USA):	Yes

16. OTHER INFORMATION

Key to abbreviations/acronyms used in SDS	<p>Eye Irrit. Eye irritation Flam. Liq. Flammable liquids H225 Highly flammable liquid and vapour H319 Causes serious eye irritation H336 May cause drowsiness or dizziness STOT SE Specific target organ toxicity - single exposure IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists mPas: Megapascals OECD: Organisation for Economic Co-operation and Development STEL: Short Term Exposure Limit BCF: BioConcentration Factors</p>
Key literature references/data sources used to compile SDS	<p>American Conference of Industrial Hygienists (ACGIH). AS 1940:2017 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas – Explosive gas atmospheres AS/NZS 1336: Eye and face protection - Guidelines AS/NZS 1337: Personal eye protection Eye and face protection AS/NZS 2161.1: Occupational protective gloves Selection, use and maintenance Australian Code for the Transport of Dangerous Goods by Road & Rail Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals Globally Harmonised System of classification and labelling of chemicals Guidance on the Classification of Hazardous Chemicals under the Work Health and Safety (WHS) Regulations HSDB: Hazardous Substances Data Bank (HSDB) Model Code of Practice: Preparation of safety data sheets for hazardous chemicals Standard for the Uniform Scheduling of Medicines and Poisons Workplace exposure standards for airborne contaminants, Safe work Australia</p>
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