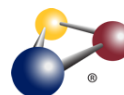


Safety Data Sheet

ALCO-DIS



SYMBIOAUSTRALIA
TOTAL HYGIENE SOLUTIONS

1. Identification

Trade name of product : ALCO-DIS
Other Shipping Name : Flammable Liquid N.O.S. (contains Isopropyl Alcohol)
Supplier Address : Symbio Australia Pty Ltd
71 Stradbroke Street Heathwood
Queensland 4110 Australia
Supplier Contact Details : Phone: 1300 4 Symbio, email: sds@symbio.com.au
Emergency telephone number : Poisons Information 131126
Material uses : Alcohol / Quat Based Hard Surface Sanitiser
Product dilution information : Use undiluted
Date of issue : 1 October 2016



2. Hazards identification

Product AS SOLD and AT USE DILUTION

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category

Flammable Liquids – Category 3

Serious Eye Irritation – Category 2A

Specific Target Organ Toxicity (Single Exposure) – Category 1



Signal Word: WARNING

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Wear protective gloves / eye protection / face protection.

Wash hands thoroughly after handling.

Do not breathe mist/vapours/spray. Use only in a well-ventilated area.

Response:

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

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 advice.

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.

In case of fire use water based foam, chemical powder, dry agent or carbon dioxide.

Storage:

Store locked up, in a well ventilated place. Keep container ightly closed. Keep cool. Store in accordance with local regulatory requirements.

Disposal:

Dispose in contents/container in accordance with local regulations.

General Phrases:Keep out of reach of children.

3. Composition/information on ingredients

Product AS SOLD and AT USE DILUTION

Ingredient name	CAS number	Proportion %	TWA mg/m ³	STEL mg / m ³
Propan-2-ol	67-63-0	60 - 90	983	1230

Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4. First-aid measures

Product AS SOLD and AT USE DILUTION

- Eye contact** : Rinse with plenty of running water. Seek medical advice if symptoms occur.
- Skin contact** : Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur.
- Inhalation** : Remove to fresh air. Seek medical advice if symptoms occur.
- Ingestion** : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
- Notes to physician** : Treat symptomatically. Concentrated solution can cause corneal burns.

5. Fire-fighting measures

Product AS SOLD and AT USE DILUTION

- Extinguishing media** : Flammable, if material is involved in a fire use carbon dioxide, water based foam or dry agent.
- Specific Hazards arising from the chemical** : No specific hazard.
- Special protective equipment and precautions for fire-fighters** : Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire.
- Hazchem Code** : ●3Y

6. Accidental release measures

Product AS SOLD and AT USE DILUTION

- Personal precautions** : Isolate/remove all sources of ignition.
For small spills ensure suitable equipment and PPE is used. Dispose of waste in accordance with local rules. For large spills the following PPE is recommended to reduce risk: Safety glasses, chemical resistant shoes & gloves, long sleeves / trousers. Remove non-essential personnel from the area. Ensure that any other products of incompatible classes near the spill are removed.
- Environmental precautions** : Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.

ALCO-DIS

- | | |
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| Methods for cleaning up | : Spills may be slippery. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose. Use non sparking equipment and dilute with water prior to disposal. |
|--------------------------------|--|

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

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| | Product AS SOLD and AT USE DILUTION |
| Handling | : Use clean dispensing equipment, use appropriate PPE, always add product to water when diluting. |
| Storage | : Store in a cool, dry, well ventilated place. Concentrated material must be stored away from ignition sources. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store in original containers whenever possible. Check container compatibility before transfer. Keep containers closed when not in use - check regularly for leaks. Ensure good housekeeping in storage area. |

8. Exposure controls/personal protection

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| | Product AS SOLD and AT USE DILUTION |
| Occupational exposure limits | : No information available on the product itself. Values for specific hazardous ingredients are shown in section 3. |
| Engineering measures | : Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use. |
| Personal Protection | |
| Eyes | : Safety glasses. |
| Hands | : Chemical resistant gloves. |
| Respiratory | : If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. |
| Skin | : Long sleeves/trousers/chemical resistant boots. |

9. Physical and chemical properties

- | | |
|---------------------------------------|---------------------------|
| | Product AS SOLD |
| Physical state | : Clear Liquid |
| Colour | : Pale blue |
| Odour | : Alcohol |
| pH | : 8.0 – 9.0 |
| Flash point (°C) | : Approx. 22 (Closed Cup) |
| Boiling point (°C) | : 78 (approx.) |
| Specific Gravity (g/ml @ 25°C) | : 0.86 – 0.89 |
| Solubility in water | : Absolute |

10. Stability and reactivity

- | | |
|---|---|
| | Product AS SOLD and AT USE DILUTION |
| Reactivity | : Avoid ignition sources. |
| Stability | : Stable under normal storage conditions. |
| Possibility of Hazardous Reactions | : Flammable liquid. |
| Conditions to avoid | : Avoid contact with food stuffs and ignition sources. |
| Incompatible Materials | : Concentrated acids and alkali's. Strong oxidising agents. |

11. Toxicological information

Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

Product AS SOLD and AT USE DILUTION

- Ingestion** : May cause gastrointestinal irritation with nausea, vomiting and possible diarrhoea. . High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
- Skin** : May cause irritation to the skin.
- Eye** : Will cause irritation.
- Inhalation:** : Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.

12. Ecological information

Product AS SOLD and AT USE DILUTION

Ecotoxicity data

- Persistence/degradability** : Expected to be biodegradable.
- Mobility in Soil** : No known significant effects.
- Other adverse effects** : Expected to be harmful to aquatic species.

13. Disposal considerations

Methods of disposal

- Product AS SOLD** : Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

Product AT USE DILUTION

Dispose of contents and container in accordance with local regulations.

14. Transport information

Product AS SOLD and AT USE DILUTION

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	1993	Flammable Liquid N.O.S. (contains Isopropyl Alcohol)	3	III	Hazchem ●3Y

15. Regulatory information

Product AS SOLD and AT USE DILUTION

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This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category

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Signal Word: WARNING

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Wear protective gloves / eye protection / face protection.

Wash hands thoroughly after handling.

Do not breathe mist/vapours/spray. Use only in a well-ventilated area.

Response:

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

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 advice.

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.

In case of fire use water based foam, chemical powder, dry agent or carbon dioxide.

Storage:

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Disposal:

Dispose in contents/container in accordance with local regulations.

General Phrases: Keep out of reach of children.

16. Other information

Literature References : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.
 Australian Code for the Transport of Dangerous Goods by Road & Rail.
 Workplace exposure standards, Safe Work Australia.
 Hazardous Substances/Chemicals Information System, Safe Work Australia.
 Globally Harmonised System of classification and labelling of chemicals.
 Raw material suppliers' SDS

Symbio Traffic Light System

Traffic Light	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) (ADG7)	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) as adopted by Work, Health and Safety regulations, Australia.	Notes
RED	✓	✓	PLUS products that are NOT Classified as Dangerous Goods according to ADG7, but classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
AMBER	✗	✓	EXCLUDING products that are classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
GREEN	✗	✗	

Prepared by : Australian Chemical Services Pty Ltd (0411 863 178)

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS of December 2011. The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET