

# Safety Data Sheet

## ISOPROPYL ALCOHOL

### 1. Identification

Trade name of product	: ISOPROPYL ALCOHOL
Other Shipping Name	: Isopropyl Alcohol
Supplier Address	: Cleaning Essentials On the Run 183 Ruthven St Toowoomba QLD 4350 Australia
Supplier Contact Details	: Phone: 07 4632 4120, email: sales@cleaningessentials.com.au
Emergency telephone number	: Poisons Information 131126
Material uses	: SOLVENT
Product dilution information	: Use as supplied
Date of issue	: 1 October 2016



### 2. Hazards identification

#### Product AS SOLD

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

Causes Serious Eye Damage/Irritation – Category 2A  
Flammable Liquids – Category 2  
Specific Target Organ Toxicity (Single Exposure) – Category 1

**Signal Word:** DANGER

#### Hazard Statements:

Highly flammable liquid and vapour.  
May cause respiratory irritation.  
Causes serious eye 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.  
Do not breathe mist/vapours/spray. Use only outdoors or in a well-ventilated area.  
Wear protective gloves/eye protection/face protection.  
Wash hands thoroughly after handling.

##### Response:

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. In case of fire: Use Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide may be used for small fires only. Do not use water in a jet.



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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.

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.

## Storage:

Store in a well ventilated place. Keep cool.

Store locked up, in a well ventilated place. Keep container tightly closed.

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 <sup>3</sup>	STEL mg / m <sup>3</sup>
Propan-2-ol	67-63-0	100	983	1230

Ingredients, determined not to be hazardous according to Safe Work Australia 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
<b>Eye contact</b>	: Rinse with plenty of running water. Seek medical advice if symptoms occur.
<b>Skin contact</b>	: Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur.
<b>Inhalation</b>	: Remove to fresh air. Seek medical advice if symptoms occur.
<b>Ingestion</b>	: Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
<b>Notes to physician</b>	: Treat symptomatically.

## 5. Fire-fighting measures

	Product AS SOLD and AT USE DILUTION
<b>Extinguishing media</b>	: Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide may be used for small fires only. Do not use water in a jet.
<b>Specific Hazards arising from the chemical</b>	: FLAMMABLE. Carbon monoxide/dioxide may be evolved if incomplete combustion occurs. Vapour is heavier than air, can spread along ground and distant ignition is possible.
<b>Special protective equipment and precautions for fire-fighters</b>	: Fire fighters to wear self-contained breathing apparatus in the event of a fire.
<b>Hazchem Code</b>	: ●2YE

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## 6. Accidental release measures

- Product AS SOLD and AT USE DILUTION**
- Personal precautions** : Use PPE when handling any spills, including gloves, safety glasses and appropriate footwear. Remove non-essential personnel from the area. Ensure all ignition sources near the spill are removed.
- Environmental precautions** : Contain spill using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
- Methods for cleaning up** : Spills may be slippery. Remove all ignition sources. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose.

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

## 7. Handling and storage

- Product AS SOLD and AT USE DILUTION**
- Handling** : Use clean dispensing equipment. Use appropriate PPE. Remove all ignition sources. Avoid breathing of or contact with material. Use in well ventilated areas. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.
- Storage** : Keep container upright and cool and dry. Ensure good housekeeping in storage area. Store in original containers. Store in accordance with AS1940.

## 8. Exposure controls/personal protection

- Product AS SOLD and AT USE DILUTION**
- Occupational exposure limits** : No information available.
- 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 / goggles are recommended.
- Hands** : Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).
- Respiratory** : If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
- Skin** : Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

## 9. Physical and chemical properties

- Product AS SOLD and AT USE DILUTION**
- Physical state** : Liquid
- Colour** : Colourless
- Odour** : Alcoholic

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pH	: NA
Flash point (°C)	: 12 (Abel)
Boiling point (°C)	: 82-88
Specific Gravity (g/ml @ 15°C)	: 0.78
Solubility	: Soluble in water

## 10. Stability and reactivity

	<b>Product AS SOLD and AT USE DILUTION</b>
<b>Reactivity</b>	: Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
<b>Stability</b>	: Stable under normal storage conditions
<b>Possibility of Hazardous Reactions</b>	: Do not mix with strong oxidising agents.
<b>Conditions to avoid</b>	: Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatible Materials</b>	: Strong acid and strong oxidising agents.

## 11. Toxicological information

### Potential acute health effects

	<b>Product AS SOLD and AT USE DILUTION</b>
<b>Oral</b>	: Expected to be of low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
<b>Skin</b>	: Not irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.
<b>Eyes</b>	: May cause irritation, reddening of eyes.
<b>Inhalation</b>	: Respiratory irritant. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
<b>Chronic</b>	: Central nervous system: repeated exposure effects the nervous system. Affects reproductive system in animals at doses which produces other toxic effects.

## 12. Ecological information

### **Product AS SOLD and AT USE DILUTION**

#### Ecotoxicity data

<b>Persistence/degradability</b>	: Readily biodegradable. Oxidises by photo-chemical reactions in air.
<b>Mobility</b>	: Expected to be mobile.
<b>Other adverse effects</b>	: No known significant effects.

## 13. Disposal considerations

	<b>Product AS SOLD and AT USE DILUTION</b>
<b>Methods of disposal</b>	: 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.

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## 14. Transport information

### Product AS SOLD and AT USE DILUTION

Regulation	UN Number	Proper shipping name	Classes	Packing group	Additional information
ADG	1219	Isopropanol	3	II	Hazchem ●2YE

## 15. Regulatory information

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## General Phrases:

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## 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 <b>Dangerous Goods</b> according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) (ADG7)	Classified as <b>Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS)</b> as adopted by Work, Health and Safety regulations, Australia.	Notes
<b>RED</b>	✓	✓	<b>PLUS</b> 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
<b>AMBER</b>	✗	✓	<b>EXCLUDING</b> 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
<b>GREEN</b>	✗	✗	

**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**