

# Safety Data Sheet

## Hazardous Substance, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** Isopropyl alcohol wipes

**Recommended use:** Sanitising of surfaces

**Supplier:** Brady Australia Pty Ltd.  
**ABN:** 28 000 788 447  
**Street Address:** 2 Bellevue Circuit  
Greystanes NSW 2145  
**Telephone:** 1800 113 896

**Emergency Telephone number:** 1300 362 327

### 2. HAZARDS IDENTIFICATION

This safety data sheet describes the hazardous component of this product, which is the liquid that's absorbed onto the fabric of the wipes.

**This material is hazardous according to the criteria of Safe Work Australia.**

#### Signal Word

Danger



#### Hazard Classifications

Flammable Liquids - Category 2  
Serious Eye Irritation - Category 2A  
Specific target organ toxicity - single exposure, central nervous system - Category 3

#### Hazard Statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

#### Prevention Precautionary Statements

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.  
P241 Use explosion-proof electrical, ventilating, lighting and all other equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P280 Wear eye protection.

#### Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

*In relation to Precautionary Statement P303+P361+P353, consult Section 16 for additional information.*

#### Storage Precautionary Statement

P403+P235 Store in a well-ventilated place. Keep cool

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## Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Poison Schedule:** Not Applicable

## DANGEROUS GOODS CLASSIFICATION:

This product as packaged and formulated is not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land" owing to Special Provision 216 as it applies to what would otherwise be classified as Dangerous Goods Class 4.1, Packing Group II, UN Number 3175. Similar special provisions apply to transport by sea and by air (as outlined in Section 14 of this document).

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	PROPORTION (% w/w)
Propan-2-ol (also called isopropanol or isopropyl alcohol)	67-63-0	65% to 75%
Water	7732-18-5	Balance to 100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** In the event of significant inhalation of the vapours or mist, remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** Excessive quantities of the product in contact with skin or hair should be immediately washed off with water, or by showering if necessary. If visible product is present on clothing, remove contaminated clothing and if necessary flush skin and hair under the clothing with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear safety shoes, gloves, safety glasses and (if the product is extensively dispersed at the location of the patient) a respirator. Ensure there is adequate ventilation. If inhalation risk exists wear organic vapour mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. Always wash hands before smoking, eating or drinking. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 1Z

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

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**Specific hazards:** Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being processed if using in quantities greater than consumer packages. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** Heating can cause expansion or decomposition leading to rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or mist. Collect wipes and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Clean up as soon as practical. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off of any rinse water into drains and waterways. If the clean-up requires a shovel, it should be a spark-free shovel. Collect wipes and seal in properly labelled containers or drums for disposal.

**Dangerous Goods - Initial Emergency Response Guide No: 133**

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from animal feedstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition.

Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

Exposure limit:	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Substance					
Propan-2-ol (isopropanol)	400	983	500	1230	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined

## Personal Protection Equipment:

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

When handling individual retail packages no personal protection equipment is required.

For processing of quantities greater than retail quantities of this product, the following apply: wear safety shoes, overalls, gloves and safety glasses. Use with adequate ventilation. If inhalation risk exists (for example, when handling the substance in a poorly ventilated area) wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet, or ensure that no visible traces of the product remain on the hands. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feedstuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. If handling significant quantities of the product within a workplace, ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Fabric wipes with absorbed liquid (liquid is clear and colourless)
<b>Colour:</b>	White
<b>Odour:</b>	Characteristic odour of propan-2-ol
<b>Solubility:</b>	Miscible with water
<b>Specific Gravity (Water = 1):</b>	Approx. 1
<b>Relative Vapour Density (air=1):</b>	2.1 (Propan-2-ol)
<b>Vapour Pressure (20°C):</b>	N. Av.
<b>Flash Point (°C):</b>	22°C approx. (propan-2-ol)
<b>Flammability Limits (%):</b>	2.0 – 13% (propan-2-ol)
<b>Autoignition Temperature (°C):</b>	N. Av.
<b>Melting Point/Range (°C):</b>	N. Av.
<b>Boiling Point/Range (°C):</b>	81 to 83°C (propan-2-ol)
<b>pH:</b>	N. Av.
<b>Viscosity:</b>	N. Av.
<b>Total VOC (g/Litre):</b>	N. Av.

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

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**Incompatible materials:** Oxidising agents, aluminium, halogenated compounds, acid anhydrides.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** No data available.

**Skin contact:** Prolonged contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for mist

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2A eye irritant (reversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not being a respiratory sensitiser. Skin: this material has been classified as not being a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

### Chronic toxicity

**Specific target organ toxicity (single exposure):** Inhalation, oral – may cause drowsiness or dizziness.

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways with rinse water of this product.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.

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**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. Containers should be washed out before recycling to reduce the risk of fire. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

This product as packaged is not classified as dangerous goods under the "Australian Code for the Transport of Dangerous Goods by Road & Rail", as this product meets the criteria for Special Provision 216 of that code in relation to UN Number 3175 (Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.). Special Provision 216 states:

*Mixtures of solids which are not subject to this Code and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit must be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid material are not subject to this Code provided there is no free liquid in the packet or article.*

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

This product as packaged is not classified as dangerous goods under the "International Maritime Dangerous Goods Code" (IMDG), as this product meets the criteria for Special Provision 216 of that code in relation to UN Number 3175 (Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.). Special Provision 216 of the IMDG states:

*Mixtures of solids which are not subject to the provisions of this Code and flammable liquids may be transported under this entry without first applying the classification criteria of class 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk container. Sealed packets and articles containing less than 10 mL of a packing group II or III flammable liquid absorbed into a solid material are not subject to the provisions of this Code provided there is no free liquid in the packet or article.*

### AIR TRANSPORT

This product as packaged is not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air, as this product meets the criteria for Special Provision A46 of that code in relation to UN Number 3175 (Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.). Special Provision 216 of the IMDG states:

*Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles.*

## 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material is subject to the following international agreements:**

- Basel Convention (Hazardous Waste):
  - Organic solvents excluding halogenated solvents

**This material/constituent(s) is/are covered by the following requirements:**

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

Reason for issue: First Issue

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client. Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Note concerning Precautionary Statement P303+P361+P353:

*It's recognised that this product consists of the liquid soaked into a fabric wipe and that it may come into contact with the skin on the hands. However, the liquid component is a flammable liquid that can be easily ignited and it's advised that if a visible quantity of the liquid remains on the skin then it should be washed off. A visible quantity of the liquid that persists on the skin, on hair or on clothing creates a flammability danger and based on this the precautionary statement should be followed. Showering may be necessary to remove the product from the hair.*

Note concerning Section 14 (Transport Information):

*This SDS describes the hazards associated with the liquid portion of the product. The liquid is absorbed onto a non-hazardous fabric. However, Section 14 considers the whole product as a transport unit and assigns the UN Number 3175, for which the shipping name "SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S." is designated. However, under the Special Provisions that apply under each transport code, the product as packaged is not subject to those codes. N.O.S. = "not otherwise specified".*

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.