

# MATERIAL SAFETY DATA SHEET

## Isowipe 75 Canister

### SECTION 1 - IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	Isowipe 75's Canister (KCA)
<b>Other Names</b>	Iso Propanol Wipes, 70% Iso Propanol Wipes, IPA Wipes, Isopropyl Alcohol Wipes, Isopropanol Wipes
<b>Recommended Use</b>	Pre-wetted wipes containing 70% Iso Propanol solution for cleaning and disinfecting hard surfaces.
<b>Supplier</b>	Delta-Pak Pty. Ltd.
<b>A.B.N.</b>	11 104 483 329
<b>Address</b>	144 Colchester Road Bayswater VIC 3153 Australia
<b>Telephone Number</b>	+61 (03) 8761 6222
<b>Facsimile Number</b>	+61 (03) 8761 6233
<b>Emergency Telephone</b>	Working Hours (03) 8761 6222 After Hours (03) 8761 6222 Poisons Information Centre Telephone 13 1126

### SECTION 2 - HAZARDS IDENTIFICATION

#### HAZARDOUS SUBSTANCE

<b>Risk Phrase(s)</b>	R11 – Highly flammable R36 – Irritating to eyes R67 – Vapours May Cause Drowsiness and Dizziness
<b>Safety Phrase(s)</b>	S16 - Keep away from sources of ignition – No smoking S2 – Keep out of the reach of children S7 – Keep container tightly closed S24/25 – Avoid Contact With Skin and Eyes S26 – In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre

The finished product does not contain any free liquid.

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### Ingredients:

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Proportion</b>
Iso Propanol	67-63-0	30 – 60%
Non-Woven Fabric	Not Applicable	10 - < 30%
Water	7732-18-5	to 100%

These ingredients are listed on the Australian Inventory of Chemical Substances ( AICS )  
The finished product does not contain any free liquid.

## SECTION 4 – FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre.

- Swallowed** Unlikely to occur due to the physical state of the product. However if ingested, rinse mouth with water. If a minor amount has been swallowed, then if conscious, dilute stomach contents by giving large amounts of water. Seek medical attention. Do not attempt to induce vomiting or give anything by mouth to an unconscious person. Check airway for obstruction by cloth, remove immediately if present.
- Eye** Flush eye with water for a minimum of 15 minutes, keep moving the eyes to ensure complete flushing. Seek Medical attention promptly if irritation persists or loss of vision occurs.
- Skin** Immediately remove contaminated clothing. Wash contaminated skin with water. Seek medical attention if Irritation persists. Launder contaminated clothing before re-use.
- Inhaled** Remove affected person promptly to fresh air. If there are signs of drunkenness ( intoxication or inebriation ) or if respiratory irritation, dizziness, nausea unconsciousness occurs, seek immediate medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops.

**Notes to doctor** There is no specific antidote for Isopropanol. Treat symptomatically as for narcotic substance.

## SECTION 5 – FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Use water fog ( or if unavailable, fine water spray ), dry chemical, carbon dioxide or alcohol stable foam.

### Hazards From Combustion Products

Burning can produce carbon monoxide and/or carbon dioxide.

### Precautions For Firefighters and Special Protective Equipment

Use water to cool exposed containers. If safe to do so, remove containers from path of fire. For major fires or where atmosphere is Oxygen deficient or contains unacceptable levels of combustion products, firefighters must wear self-contained breathing apparatus with full-face mask and protective clothing.

**Hazchem Code** Not Applicable

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Emergency Procedures

Wear appropriate personal protective equipment to prevent skin and eye contamination and breathing of vapours. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Wash the cleaned up area with Water and mop up to remove all traces of product. Ventilate area well and ensure the atmosphere is safe before allowing personnel to return to the work area.

### Methods and Materials for Containment and Clean Up Procedures

Contain and recover wipes when possible. Collect wipes in an appropriate container and place in a chemical waste container. Collected wipes can also be left outside to dry and then disposed of through local council waste removal services.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

Protect against physical damage. Make certain the containers are well sealed when not in use.

### Conditions for Safe Storage

Store in a cool, dry, well ventilated location. Keep containers closed at all times.

### Incompatibilities

Not to be stored with explosives, flammable gases in bulk, poisonous gasses, spontaneously combustible substances, oxidizing agents, organic peroxides or radioactive substances.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### National Exposure Standards

Iso Propanol      TWA- 400ppm ( 983 mg/m<sup>3</sup>)  
                          STEL – 500ppm ( 1230 mg/m<sup>3</sup> )  
                          Carcinogen Category – None Allocated  
                          Notices – None Allocated

As published by National Occupational Health and Safety Commission

TWA is an Exposure Standard for a time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to the current knowledge

This concentration should neither impair the health nor cause any undue discomfort to nearly all workers.

STEL ( Short Term Exposure Limit ) is the average airborne concentration over a 15 minute period which should not be exceeded at any time over an 8-hour working day.

### Biological Limit Values

Not known. Prevent wipes from entering drains or water courses.

### Engineering Controls

Under typical use wipes can be used without restriction.

### Personal Protective Equipment

Under typical use wipes can be used without restriction.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Plastic container containing non-woven wipes impregnated with an alcoholic solution with no residual Free liquid.
<b>Odour</b>	Rubbing Alcohol, detectable at 40 – 200 ppm
<b>pH</b>	7 ( Neutral )
<b>Vapour Pressure</b>	44 mm Hg at 20 deg C
<b>Vapour Density</b>	2.1 ( Air = 1 )
<b>Boiling Point/Range</b>	Not Applicable
<b>Melting Point</b>	Not Applicable
<b>Solubility</b>	Not Applicable
<b>Specific Gravity</b>	Not Applicable
<b>Flash Point</b>	21 deg C ( for wipes ) tag closed cup
<b>Lower Explosive Limit</b>	Not Applicable
<b>Upper Explosive Limit</b>	Not Applicable
<b>Ignition Temperature</b>	>200 deg C
<b>Volatile Organic Content</b>	56% w/w
<b>Percent Volatile</b>	87% w/w

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	Heat, sparks, flame and build up of static electricity
<b>Incompatible Materials</b>	Will react with strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Soot, Carbon Dioxide, Carbon Monoxide
<b>Hazardous Reactions</b>	Will not polymerize

**SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Swallowed</b>	Minor quantities may cause minor throat irritation and vomiting. Large quantities may cause stomach pains, cramps, nausea, vomiting and narcotic effects ( drowsiness and may lead to coma and death ).
<b>Eye</b>	The vapour is irritating to the eyes at concentrations above 400ppm. Direct eye contact with the product may Cause eye irritation, including pain and redness.
<b>Skin</b>	Brief exposure to vapour and liquid are not irritating but prolonged contact ( eg clothing saturated with the Product ) can be irritating.
<b>Inhaled</b>	Mild irritation to the nose, throat and upper respiratory tract can occur at concentrations above 400ppm. Higher Concentrations can cause drowsiness, headaches, intoxication and unconsciousness.
<b>Acute Effects – Acute Toxicity</b>	LD50/oral/rat 4396 mg/kg ( isopropanol ) LD50/dermal/rat 12870 mg/kg ( isopropanol ) LC50/inhalation/rat 72.6 mg/l /4 h ( isopropanol ) Irritant dose/dermal/rabbit 500mg/24 hours ( isopropanol ) Irritant dose/ocular/rabbit 0.1ml ( isopropanol ) Not listed as carcinogen

**Long Term Effects Chronic**

Prolonged or repeated skin contact may result in dermatitis due to de-fatting. Some animal Iso Propanol exposure studies have noted increased liver and kidney weights in exposed animals but no observable relevant pathology. With particular relevance to the liver, this weight change may be considered to be more of a metabolic response rather than a toxic effect of the alcohol. Occupational exposure to Iso Propanol has not been reported as causing long term effects.

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Toxicity to fish ( acute ) LC50/ Fathead minnow 11130 mg/l/ 96h ( isopropanol )
<b>Persistence and Degradability</b>	Degree of elimination >90% ( Solution only )
<b>Mobility</b>	No data is available on mobility in soil

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Collect residue for recovery, recycling or as a waste material. Dispose of container and unused contents in accordance with federal, state and local requirements. Empty container and lid can be recycled as per local council waste recycling regulations. Used wipes can be disposed of with normal waste after the solution has evaporated. Product must not be disposed of to the sewerage system, drains or waterways.

**SECTION 14 – TRANSPORT INFORMATION**

**UN number** Not Applicable

**Class** Not Applicable

**Subsidiary Risk** Not Applicable

**Packaging Group** Not Applicable

**Hazchem Code** Not Applicable

**Special Precautions**

Not to be stored with explosives, flammable gases in bulk, poisonous gases, spontaneously combustible Substances, oxidizing agents, organic peroxides or radioactive substances.

**Note** This product is NOT a Class 3 Dangerous Good

**SECTION 15 – REGULATORY INFORMATION**

**Classification** Hazardous according to criteria of NOHSC

**Poisons Schedule** Not Scheduled

**SECTION 16 – OTHER INFORMATION**

Further information can be obtained from Delta-Pak Pty. Ltd.

**MSDS Revision Summary**

Supersedes Issue Date: 18/03/2005  
Reason for issue: Review  
Issue Date: 18/03/2010  
Document Name: MSDS Isowipe 75 Canister (KCA).doc

**Literature and References**

Australian Government - National Occupational Health and Safety Commission Web Site [www.nohsc.gov.au](http://www.nohsc.gov.au)

National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]

National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

List of Designated Hazardous Substances [NOHSC:10005(1999)]

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)] 3<sup>rd</sup> Edition

Storage and Handling of Workplace Dangerous Goods [NOHSC:2017(2001)]

Australian Government – Department of Transport and Regional Services Web Site <http://www.dotars.gov.au/index.htm>  
<http://www.dotars.gov.au/transreg/dgoods.htm>  
ADG Code based on the 'UN Recommendations on the Transport of Dangerous Goods - Model Regulations'

Australian Government – Attorney-General's Department  
ROAD TRANSPORT REFORM (DANGEROUS GOODS) ACT 1995  
<http://scaleplus.law.gov.au/html/pasteact/2/1187/top.htm>

NOHSC Online Hazardous Substances Information System <http://www.nohsc.gov.au/applications/hsis/>

Australian Standards AS 1940-1993 The storage and handling of flammable and combustible liquids

United Nations ADN 2005 (The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways )  
<http://www.unece.org/trans/danger/adnreg2005.html>

United Nations ADR 2005 (The European Agreement concerning the International Carriage of Dangerous Goods by Road )  
[http://www.unece.org/trans/danger/publi/adr/adr\\_e.html](http://www.unece.org/trans/danger/publi/adr/adr_e.html)

UN Recommendations on the Transport of Dangerous Goods. Model Regulations. Thirteenth revised edition.  
[http://www.unece.org/trans/danger/publi/unrec/rev13/13files\\_e.html](http://www.unece.org/trans/danger/publi/unrec/rev13/13files_e.html)

Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008(1995)] 3<sup>rd</sup> Edition (Updated for Amendments)  
<http://www.nohsc.gov.au/OHSInformation/NOHSCPublications/fulltext/docs/h3/34.htm>

Australian Inventory of Chemical Substances  
<http://www.nicnas.gov.au/obligations/aics/>

CSR Distilleries Operations Pty. Ltd. Material Safety Data Sheet Iso Propanol 09/2003

**To the best knowledge of Delta-Pak Pty. Ltd., this MSDS was correct at the time it was prepared ( see above for the date ). Delta-Pak Pty. Ltd., as part of its Health and Safety Programme, updates MSDSs when its ongoing review process indicates a need for a change to be made. You should make sure that the MSDS you are reading and relying on is current. You can do this by contacting Delta-Pak Pty. Ltd. at the above address.**

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