

# SAFETY DATA SHEET

Perfect Nails Manicurist Alcohol

SDS DATE:17/09/2016

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Perfect Nails Manicurist Alcohol  
**SYNONYMS:** Isopropyl alcohol solution  
**MANUFACTURER:** Beautyworld Pty Ltd  
**ADDRESS:** Unit 2 /33-35 Lundberg Dr, Murwillumbah, NSW, 2484 Australia  
**PHONE:** 1300 739893 ( Business Hours)  
**AFTER HOURS:** 0414362966  
**FAX PHONE:** 02 66 725265  
**EMAIL:** [info@beautyworld.com.au](mailto:info@beautyworld.com.au)  
**WEB:** [www.beautyworld.com.au](http://www.beautyworld.com.au)  
**CHEMICAL NAME:** 2 Propanol  
**CHEMICAL FAMILY:** Alcohol  
**PRODUCT USE:** Cleansing and antiseptic agent

## SECTION 2: HAZARDS IDENTIFICATION

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### Hazardous Nature

This product is classified as hazardous under GHS for Australian criteria

### Hazardous Classification

Flammable Liquids: 2; Acute Toxicity – Dermal: 4

### Hazardous Statement

Highly Flammable liquid and vapour

### Hazard Statements

H225: Highly flammable liquid and vapour

H320: Causes eye irritation

H336: May cause drowsiness or dizziness

### Precautionary Statements

P102: Keep out of reach of children.

P403: Store in a well ventilated place.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P243: Take precautionary measures against static discharge.

P242: Use only non sparking tools.

### Dangerous Goods Classification 3

**Poisons Schedule** Not regulated

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## SECTION 3: COMPOSITION

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Ingredient	CAS	Percentage
Isopropanol	67-63-0	70%
Water	7732-18-5	30%

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## SECTION 4: FIRST AID MEASURES

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**For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.**

### **Ingestion**

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

### **Eye Contact**

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

### **Skin Contact**

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

### **Inhalation**

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

### **First Aid facilities**

Provide eye baths and safety showers.

### **Medical Attention**

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis

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## SECTION 5: FIRE-FIGHTING MEASURES

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Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

### **Suitable extinguishing media**

Water spray, water fog or fine spray mist, alcohol foam

### **Hazards from combustion products**

Carbon dioxide, carbon monoxide

### **Precautions for fire fighters and special protective equipment**

Fully self-contained breathing apparatus, overalls, and safety boots

**Hazchem Code:** •2YE

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

### Emergency Procedures

#### Methods and materials for containment

#### Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
  - Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping - use explosion proof pump or hand pump - or with a suitable absorbent material.
  - Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

#### Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
  - Notify the port or relevant authority and keep the public away from the area.
  - Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity".

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## SECTION 7: HANDLING AND STORAGE

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### Precautions for safe handling

This product is Flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).

### Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are combustible. This product will fuel a fire in progress.

### Incompatible materials

Butyl rubber, natural rubber, polystyrene, EDPM.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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No data for this product, but data for Isopropyl alcohol 100% provided.

### National Exposure Standards .

The time weighted average concentration (TWA) for this product is: 983mg/m<sup>3</sup> (400 ppm). Vapour Threshold: 100 -140 ppm, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: 1230 mg/m<sup>3</sup> (500 ppm), which is the maximum allowable exposure concentration at any time.

### Emergency Procedures

#### Biological limit values

None established

#### Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

#### Personal Protective Equipment

**Respiratory Protection:** Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/ Body Protection:** Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Property	Unit of Measurement	Value
Appearance	Visual	Blue tinted liquid
Boiling Point/ Range	°C	From 82
Flash Point	°C	25
Density @ 15°C	g/ml	0.88
Vapour Pressure @ 20°C	kPa	4.3
Explosive Limits (LEL - UEL)	%	2-12
Vapour Density @ 20°C	kPa	>1
Autoignition Temperature	°C	Not available
Viscosity @ 20°C	cSt	Not available
Percent Volatiles	%	70
Solubility with Water	% w/w	Miscible

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## SECTION 10: STABILITY AND REACTIVITY

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### Chemical Stability

Stable at room temperature and pressure

### Conditions to avoid

Sources of heat and ignition, open flames.

### Hazardous decomposition products

Carbon oxides on burning, organic complexes during incomplete combustion.

### Hazardous reactions

Stored mixtures with MEK will produce explosive peroxides. Peroxide production sharply decreases the auto ignition temperature. Violent and explosive reactions can occur with metal oxides and oxidizing agents.

### Hazardous Polymerisation

Will not occur

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## SECTION 11: TOXICOLOGICAL INFORMATION

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Data provided is for Isopropyl alcohol 100%.

### Acute Effects

#### Ingestion

The single lethal dose for humans is approx. 250ml, however 100ml can be fatal. Symptoms of overexposure include: flushing, pulse rate decrease, blood pressure lowering, anaesthesia, narcosis, headaches, dizziness, mental depression, hallucinations, distorted perceptions, respiratory depression, nausea or vomiting, coma.

#### Eye Contact

This product is irritating to eyes and can cause corneal burns.

#### Skin Contact

This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.

#### Inhalation

This product is irritating to the respiratory tract. In high doses, this product has narcotic effects. At concentrations of 400ppm or higher, the product may induce a mild narcosis, with transient effects. See Ingestion Effects.

#### Chronic Effects

A slight tolerance to this product can be acquired. This product is easily absorbed by the skin yielding a narcotic action. Overexposure may not be immediately determined for those who have built a tolerance. Abuse of this product will be harmful. People with pre-existing liver or kidney conditions must avoid unnecessary product exposure (metabolises similarly to ethanols).

#### Other Health Effects Information

Questionable carcinogen. Mutation data reported. Experimental teratogenic and reproductive effects.

#### Toxicological Information

2-propanol: 5045 mg/kg (oral, rat)

TDL<sub>0</sub>: 223 mg/kg (oral, human)

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## SECTION 12: ECOLOGICAL INFORMATION

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No specific data for this product but data for Isopropyl alcohol 100% provided.

### Ecotoxicity.

#### Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill):

LC<sub>50</sub>(96hr): Based on data for a similar component or preparation, this product is expected to be toxic to aquatic organisms.

Daphnia Magna EC<sub>50</sub> (24 hr):

No data available

Daphnia Magna EC<sub>50</sub> (48 hr):

Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

Blue-green algae (Toxicity threshold 7-8 days):

No data available

Green algae (Toxicity threshold 7-8 days):

No data available

### Persistence/ degradability

This product can degrade rapidly in air. This substance is expected to be removed in wastewater treatment.

Based upon data for a similar components or estimated data, this product is expected to biodegrade rapidly and be 'readily' biodegradable according to OECD guidelines.

### Mobility

This product is highly volatile and will rapidly evaporate to the air if released into the water

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

### Special Precautions for Landfill or Incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

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## SECTION 14: TRANSPORT INFORMATION

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Road & Rail		Maritime		Air	
UN Number	1219	UN Number	1219	UN Number	1219
Proper Shipping name	Isopropyl alcohol	Proper Shipping name	Isopropyl alcohol	Proper Shipping name	Isopropyl alcohol
DG Class	3	DG Class	3	DG Class	3
Sub Risk	None	Sub Risk	None	Sub Risk	None
Packing group	II	Packing group	II	Packing group	II
Hazchem	2YE	Hazchem	2YE	Hazchem	2YE

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## SECTION 14: TRANSPORT INFORMATION (contd)

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### Dangerous Goods Segregation

This product is classed as Dangerous Goods Class 3, packing group II. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

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## SECTION 15: REGULATORY INFORMATION

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**Country/ Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** Not regulated

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## SECTION 16: OTHER INFORMATION

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### References:

#### Supplier SDS

<http://chem.sis.nlm.nih.gov/chemidplus>

<http://hsis.ascc.gov.au/SearchHS.aspx>

Ecotoxicology data: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm)

*Sax's Dangerous Properties of Industrial Materials*, Richard J. Lewis Snr., pub. Canada (2000)

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. For further information, please contact Beautyworld Pty Ltd.

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