

# SAFETY DATA SHEET

Perfect Nails Brusher Cleaner

SDS DATE:20/08/2016

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Perfect Nails Brush Cleaner  
**SYNONYMS:** Nil  
**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:** Methyl ethyl ketone, ethyl methyl ketone  
**CHEMICAL FAMILY:** Ketones  
**PRODUCT USE:** Removal of acrylic residues from nail brushes

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## 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 - Inhalation: 4; Skin Corrosion/Irritation: 2

### Hazardous Statement

Highly Flammable liquid and vapour

### Hazard Statements

H225: Highly flammable liquid and vapour

H320: Causes eye irritation

AUH066: Repeated exposure may cause skin dryness or cracking

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.

P262: Do not get in eyes, on skin or on clothing.

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

P273 : Avoid release to the environment

P370+ 378 : In case of fire : Use sand, earth r chemical foam to extinguish

**Dangerous Goods Classification: 3, Poisons Schedule : 5**

# SAFETY DATA SHEET

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## SECTION 3: COMPOSITION

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Ingredient	CAS	Percentage
2 Butanone	78-93-3	>99%

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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 or 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

# SAFETY DATA SHEET

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SDS DATE:20/08/2016

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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.

### 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 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. 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 flammable. This product is flammable and will fuel a fire in progress.

### Incompatible materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene

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Perfect Nails Brusher Cleaner

SDS DATE:20/08/2016

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### National Exposure Standards

The time weighted average concentration (TWA) for this product is: 445 mg/m<sup>3</sup> (150 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: 890 mg/m (300 ppm), which is the maximum allowable exposure concentration at any time.

### Biological limit values

Not available

### 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	Clear, colourless liquid
Boiling Point/ Range	°C	78-81
Flash Point	°C	-4
Density @ 15°C	g/ml	0.81
Vapour Pressure @ 20°C	kPa	9.3 mmHg
Explosive Limits (LEL - UEL)	%	1.8 – 11.5
Vapour Density @ 20°C	kPa	>1.0
Autoignition Temperature	°C	>450
Viscosity @ 20°C	cSt	Not available
Percent Volatiles	%	100
Solubility with Water	% w/w	250 g/kg

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Perfect Nails Brusher Cleaner

SDS DATE:20/08/2016

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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 monoxide, carbon dioxide and other organic complexes on incomplete burning or oxidation.

### Hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds, chloroform and alkalis, stored mixtures with IPA

### Hazardous Polymerisation

Will not occur

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### Acute Effects

#### *Ingestion*

This product is harmful by ingestion. Large amounts of this product will result in central nervous system effects such as: headaches, dizziness, hallucinations, euphoria, tingling of the extremities, vomiting, and possibly loss of consciousness.

#### *Eye Contact*

High vapour concentrations produce conjunctiva irritation. This product can cause corneal burns.

#### *Skin Contact*

This product is easily absorbed to the skin and produces dryness and cracking after prolonged contact.

#### *Inhalation*

High vapour concentrations are irritating to respiratory system producing central nervous system effects such as dizziness, headaches, nausea, vomiting and loss of appetite.

### Chronic Effects

This product is an experimental teratogen and affects the peripheral nervous system (arms and legs). People with pre-existing liver or kidney disfunction should limit exposure to this product.

### Other Health Effects Information

The effects of this product in combination with n-hexane are potentiated (greatly increased). This means that the effects suffered by ingestion or inhalation will be increased, or experienced more quickly.

### Toxicological Information

Oral LD<sub>50</sub>: MEK: 2737 mg/kg (oral, rat)

Dermal TC<sub>Lo</sub>: MEK: 100 ppm (inhalation, human)

respiratory, blood, liver, kidney and reproductive disorders in humans.

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SDS DATE:20/08/2016

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## SECTION 12: ECOLOGICAL INFORMATION

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### Ecotoxicity

#### Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill): LC<sub>50</sub>(96hr): Goldfish: 2400000 µg/L

Daphnia Magna EC<sub>50</sub> (24 hr): LC<sub>50</sub>: > 520000 µg/L

Blue-green algae (Toxicity threshold 7-8 days): LO<sub>EC</sub>: 120000 µg/L

Green algae (Toxicity threshold 7-8 days): LO<sub>EC</sub>: 4300000 µg/L

#### Persistence/ degradability

Volatilises in air

#### 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	1193	UN Number	1193	UN Number	1193
Proper Shipping name	Methyl Ethyl Ketone	Proper Shipping name	Methyl Ethyl Ketone	Proper Shipping name	Methyl Ethyl Ketone
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

### 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.

# SAFETY DATA SHEET

Perfect Nails Brusher Cleaner

SDS DATE:20/08/2016

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## SECTION 15: REGULATORY INFORMATION

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**Country/ Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** 5

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## SECTION 16: OTHER INFORMATION

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**Reasons for Issue:** Upgrade to GHS SDS;

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

NOHSC: National Occupational Health and Safety Council

**References:**

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**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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