

SAFETY DATA SHEET

Perfect Nails Acetone

SDS DATE:20/08/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Perfect Nails Acetone
SYNONYMS: Nil
MANUFACTURER: Beautyworld Pty Ltd
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EMAIL: info@beautyworld.com.au
WEB: www.beautyworld.com.au
CHEMICAL NAME: 2 Propanone, dimethyl ketone
CHEMICAL FAMILY: Ketones
PRODUCT USE: Lacquer and Gel polish remover

SECTION 2: HAZARDS IDENTIFICATION



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: 3

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.

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

Dangerous Goods Classification 3

Poisons Schedule 5

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SECTION 3: COMPOSITION

Ingredient	CAS	Percentage
Acetone	67-64-1	>99.5%
Water	7732-18-5	<0.5%

SECTION 4: FIRST AID MEASURES

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

SECTION 5: FIRE-FIGHTING MEASURES

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 fog or fine spray mist

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

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".

SECTION 7: HANDLING AND STORAGE

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

Painted surfaces, natural rubber, polystyrene, EDPM, neoprene

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 1185 mg/m³ (500 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: 2375 mg/m³ (1000 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Value
Appearance	Visual	Clear, colourless liquid
Boiling Point/ Range	°C	56
Flash Point	°C	-17
Density @ 15°C	g/ml	0.792
Vapour Pressure @ 20°C	kPa	180mmHg
Explosive Limits (LEL - UEL)	%	2.5-13
Vapour Density @ 20°C	kPa	No available
Autoignition Temperature	°C	465
Viscosity @ 20°C	cSt	Not available
Percent Volatiles	%	100
Solubility with Water	% w/w	Miscible

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SECTION 10: STABILITY AND REACTIVITY

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

Hazardous reactions

Strong oxidising agents, strong alkalis and strong mineral acids and bromine.

Hazardous Polymerisation

Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This material will cause irritation to the throat, trachea and respiratory tract. It may cause nausea. Swallowing large amounts will have a narcotic effect: headaches, dizziness, euphoria, loss of appetite and possibly loss of consciousness. Vomiting may cause the product to be aspirated to the lungs resulting in chemical pneumonitis.

Eye Contact

Liquid may cause moderate to severe eye irritation and corneal damage. Most subjects exposed to vapour concentrations of 500 - 1000 ppm experience irritation to the eyes.

Skin Contact

Brief contact may cause mild irritation. Prolonged or repeated exposure may cause defatting resulting in dryness or cracking of the skin (irritant contact dermatitis). Due to its low toxicity and high volatility, this product is unlikely to be absorbed through the skin in harmful amounts unless evaporation is prevented.

Inhalation

Vapour concentrations above 500 ppm are irritating to the nose and throat. High vapour concentrations (above 1000 ppm) result in narcotic effects including possible headaches, dizziness, loss of coordination, nausea, loss of appetite and possibly loss of consciousness.

Chronic Effects

Repeated or prolonged skin contact with the liquid may cause irritant contact dermatitis. A study of 800 workers occupationally exposed to these vapours (600 - 2150 ppm) over an 18 year period revealed no significant adverse health effects compared with unexposed workers.

Other Health Effects Information

Exposure to this product potentiates (greatly enhances) the liver and kidney toxicity of chlorinated hydrocarbon solvents such as trichloroethylene and chloroform. Fasting and diabetes increases the normal levels of acetone in the body. Dieters and diabetics exposed to levels of acetone may feel overexposure effects at lower levels of occupational exposure. Exposure to high concentrations of acetone may aggravate pre-existing skin, respiratory, blood, liver, kidney and reproductive disorders in humans.

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SECTION 11: TOXICOLOGICAL INFORMATION (Contd)

Toxicological Information

Oral LD₅₀: Oral: 5.8 - 8.4 g/kg (rat); dermal: 20 g/kg (rabbit).

Dermal TC_{Lo}: Inhalation: LC₅₀: 32000 ppm for 4 hours (rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill): LC₅₀(96hr): 5000 - 13000 mg/L

Daphnia Magna EC₅₀ (24 hr): > 10000 mg/L

Blue-green algae (Toxicity threshold 7-8 days): 530 mg/L

Green algae (Toxicity threshold 7-8 days): 7500 mg/L

Persistence/ degradability

Degrades by photooxidation in air, with low photochemical ozone creation potential. This product can be removed from the air by rainfall. Considered as readily biodegradable. If released to water, this product will dissolve and volatilise at a slow rate.

Mobility

In soil, this product will evaporate and leach readily in most types of soil. Acetone has a negligible tendency to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

Road & Rail		Maritime		Air	
UN Number	1090	UN Number	1090	UN Number	1090
Proper Shipping name	Acetone	Proper Shipping name	Acetone	Proper Shipping name	Acetone
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)

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.

SECTION 15: REGULATORY INFORMATION

Country/ Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: 5

SECTION 16: OTHER INFORMATION

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

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.
