

SAFETY DATA SHEET

JOSS Fusion Topcoat

SDS DATE 07/11/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: JOSS Fusion Topcoat
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
WEB: www.beautyworld.com.au
PRODUCT USE: Nail coating

SECTION 2: HAZARDS IDENTIFICATION



Hazardous Nature

This product is classified as hazardous under GHS for Australian criteria

Hazardous Classification

Flammable Liquids: 2; Eye irritation :2 ; Specific target organ toxicity (single exposure) :3; Skin Irritation :2, Acute Toxicity Inhalation :4

Hazardous Statement

Highly Flammable liquid and vapour. Danger

Hazard Statements

H225: Highly flammable liquid and vapour

H315: Causes skin irritation

H319: Causes serious eye irritation

H331: Toxic if inhaled.

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+235: Store in a well ventilated place. Keep cool

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

P261 +271: Avoid breathing vapours & use outdoors or in a well ventilated area.

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

P242+243: Use only non sparking tools. Take precautionary measures against static discharge

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SECTION 2: HAZARDS IDENTIFICATION (cont)

Response & Disposal Statements

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

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

P303+361+353: IF ON SKIN: Remove contaminated clothing and wash skin with soap and water.

P304 + 340: If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.

P501: Dispose of contents/container according to local regulations.

Dangerous Goods Classification: 3, Poisons Schedule : Not regulated

SECTION 3: COMPOSITION

Ingredient	CAS	Percentage
Isobutyl Acetate	110-19-0	25-50%
Ethyl Acetate	141-78-6	10-25%
Isopropyl alcohol	67-63-0	≤10%
Methyl Ethyl Ketone	78-93-3	≤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

HAZCHEM CODE: 3YE

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

Dry chemical, alcohol foam, CO2. Do NOT use water jet.

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SECTION 5: FIRE-FIGHTING MEASURES (contd)

Hazards from combustion products

Oxides of carbon.

Precautions for fire fighters and special protective equipment

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

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.

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 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).

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SECTION 7: HANDLING AND STORAGE (contd)

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, Vinyl plastics

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

Ethyl acetate: TWA 720mg/m³ (200ppm), STEL 1440mg/mg (400ppm)

Isopropanol: TWA 983mg/m³ (400ppm), STEL 1230mg/m³ (500ppm)

Isobutyl acetate : TWA 713mg./m³ (150ppm), no STEL established

Methyl Ethyl Ketone: TWA 445mg/m³ (150ppm), STEL 890mg/m³ (300ppm)

The time weighted average concentration (TWA) is the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) 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

Property	Unit of Measurement	Value
Appearance	Visual	Clear liquid
Boiling Point/ Range	°C	From 77
Flash Point	°C	20
Density @ 15°C	g/ml	Not established
Vapour Pressure @ 20°C	kPa	Not established
Explosive Limits (LEL - UEL)	%	Isopropanol 1.8-12.0 Ethyl Acetate 2 – 11.4,
Vapour Density @ 20°C	kPa	No data
Autoignition Temperature	°C	No data
Viscosity @ 20°C	cSt	No data
Percent Volatiles	%	>70
Solubility with Water	% w/w	Insoluble

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

Hazardous reactions

Oxidizing agents, Strong acids, strong bases

Hazardous Polymerisation

Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

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.

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SECTION 11: TOXICOLOGICAL INFORMATION (contd)

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

People with pre-existing liver or kidney disfunction should limit exposure to this product.

Toxicological Information

Oral LD₅₀: Product 6.4g/kg (rat)

LC Inhalation: Product Vapours 8000ppm 4 hrs (rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data for this product, but data for some components is listed below.

Ethyl Acetate - Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill): LC₅₀(96hr): Rainbow Trout: 2600000 µg/L

Daphnia Magna EC₅₀ (24 hr): LC₅₀: 175000 µg/L

Blue-green algae (Toxicity threshold 7-8 days): LO_{EC}: 150000 µg/L

Green algae (Toxicity threshold 7-8 days): LO_{EC}: 5500000 µg/L

Isopropanol - Aquatic Toxicity

Fish toxicity (Rasbora heteromorpha) Acute LC50 4200mg/L 96 hours Fresh water

Crustaceans (Crangon crangon) Acute LC50 1400000 µg/L 48 hours Marine water

Persistence/ degradability

Volatilises in air

Mobility

No data

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.

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SECTION 14: TRANSPORT INFORMATION

Road & Rail		Maritime		Air	
UN Number	1993	UN Number	1993	UN Number	1993
Proper Shipping name	Flammable Liquid NOS (isobutyl acetate, ethyl acetate, isopropanol, Methyl ethyl ketone)	Proper Shipping name	Flammable Liquid NOS (isobutyl acetate, ethyl acetate, isopropanol, Methyl ethyl ketone)	Proper Shipping name	Flammable Liquid NOS (isobutyl acetate, ethyl acetate, isopropanol, 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	3YE	Hazchem	3YE	Hazchem	3YE

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: Not regulated by SUSMP

SECTION 16: OTHER INFORMATION

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:

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.