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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT (MATERIAL) NAME
TRADE NAME
OTHER MEANS OF IDENTIFICATION
RECOMMENDED USE
PRODUCT TYPE

SUPPLIER DETAILS

- Address
- ABN
- Contact No.
- Email
- Website

AU EMERGENCY CONTACT

(24/7 within Australia)

NZ EMERGENCY CONTACT

(24/7 within New Zealand)

SECTION 2 - HAZARDS IDENTIFICATION

2.1. HAZARD CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:



GHS02: FLAMMABLE



GHS07: IRRITATING

H225: HIGHLY FLAMMABLE: Liquid and Vapour

Vapour form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. This material may produce a floating fire hazard.

2.2. PICTOGRAMS:



GHS02: FLAMMABLE



GHS07: IRRITATING

• RISK PHRASES:

H225 Highly flammable liquid and vapour
H319 Cause serious eye irritation
H336 May cause drowsiness and dizziness

• PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, sparks, open flame, hot surfaces – No smoking.
P243 Take precautionary measures against static discharge.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing.

2.2. OTHER HAZARDS:

The mixture contains no substance conforming to the PBT/vP vB criteria of REACH Regulation.

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1. CHEMICAL CHARACTERISATION:

Nitrocellulose with nitrogen content < 12.2 % and at a concentration < 20 % in a blend of solvents.

3.2. CHEMICAL IDENTITY OF INGREDIENTS:

INGREDIENT	CAS NUMBERS	PROPORTIONS	REGISTRATION NUMBER	HAZARD CODES
ETHYL ACETATE	141 - 78 - 6	20.0 – 30.0 %	01-2119475103-46-XXXX	H225, H319, H336
BUTYL ACETATE	123 - 86 - 4	19.0 - 25.0 %	01-2119485493-29-XXXX	H226, H336
NITROCELLULOSE	9004 - 70 - 0	17.0 – 21.0 %	Polymer	H228
SOPROPYL ALCOHOL	67 - 63 - 0	7.5 – 8.5 %	01-2119457558-25-XXXX	H225, H319, H336

3.3. ADDITIONAL INFORMATION:

For the wording of the listed risk phrases, refer to SECTION 16.

SECTION 4 - FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES:

- **SKIN CONTACT** : Remove contaminated clothing and wash well before re-use. Remove and destroy contaminated shoes. Flush with plenty of water.
- **INHALATION** : Move to fresh air area. If not breathing, provide artificial respiration, preferably mouth-to-mouth. If breathing is difficult, provide extra oxygen. Seek medical attention.
- **INGESTION** : Get medical attention IMMEDIATELY.
- **EYE CONTACT** : Immediately wash eyes under running water for at least 10 minutes while holding eyes open. Seek medical attention urgently.

4.2. IMPORTANT SYMPTOMS AND EFFECTS (BOTH ACUTE AND DELAYED):

- **EFFECTS OF OVER-EXPOSURE:** Cause eye irritation. Harmful if swallowed. May cause nose and throat irritation. Causes skin irritation. May affect the brain or nervous system, causing dizziness, headache or nausea. Harmful if inhaled.
- **OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE:** Narcosis, conjunctivitis, loss of coordination, vomiting, lachrymation, redness and swelling of eyes, difficulty with speech, reduced visibility, abdominal pain, swelling and redness of skin, fatigue, cough, dermatitis, drowsiness, unconsciousness.
- **PRIMARY ROUTE(S) OF ENTRY:** Inhalation, skin contact, eyes.
- **MEDICAL CONDITIONS THAT CAN BE AGGRAVATED:** N/A
- **CHRONIC HEALTH HAZARDS:** N/A
- **REPEATED OVEREXPOSURE TO THIS PRODUCT MAY CAUSE:** Lung damage, liver abnormalities, kidney damage, central nervous system damage, blood effects,

In accordance with 29CFR1910.1200, this product contains no ingredients listed by NTP, IARC or OSHA as carcinogenic.

- **NOTICE:** Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

4.3. INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

SECTION 5 - FIRE FIGHTING MEASURES

5.1. SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or Dry Chemical.

5.2. SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Water may be ineffective in fighting fire. If water is used to cool closed containers to prevent pressure build-up, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect fire fighters from exposure to coating's hazardous ingredients and hazardous decomposition products.

5.3. SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTER:

During emergency conditions, over-exposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS:

Avoid contact with the skin and eyes. Keep away from heat and sources of ignition. Provide adequate ventilation.

6.2. ENVIRONMENTAL PRECAUTIONS:

To prevent further leakage or spillage, do not discharge into the drains / surface waters / groundwater.

6.3. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable closed containers for disposal. Dispose in accordance with local regulations.

6.4. ADDITIONAL INFORMATION:

Consult trained personnel. Consider the information for "Personal Protection" in SECTION 8 of this Safety Data Sheet.

SECTION 7 - HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING:

When using this product, do not eat, drink or smoke. Remove all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in working space.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a well ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing agents, store in a clean and dry area.

7.3. OTHER PRECAUTIONS:

All precautions must be observed. Empty container may retain product residues (vapour or liquid).

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. EXPOSURE LIMITS:

SUBSTANCE	CAS NO.	DESC.	VALUE	UNIT	COMMENT
BUTYL ACETATE (Acetic acid, Butyl Ester)	123 - 86 - 4	Press de Vap	15.0	mm/Hg	25°C
		Press de Vap	45.0	mm/Hg	50°C
		PEL -TWA	150.0	ppm	
		TLV -STEL	200.0	ppm	15 Minutes
		PEL -STEL	200.0	ppm	15 Minutes
ETHYL ACETATE	141 - 78 - 6	Press de Vap	100.00	mm/Hg	27 °C
		Press de Vap	200.00	mm/Hg	42°C
		PEL -TWA	400.0	ppm	
ISOPROPANOL (ISOPROPYL ALCOHOL)	67 - 63 - 0	Press de Vap	40.0	mm/Hg	23.8°C
		Press de Vap	100.0	mm/Hg	39.5°C
		PEL -TWA	400.0	ppm	
		TLV -STEL	500.0	ppm	15 Minutes
		PEL -STEL	500.0	ppm	15 Minutes

8.2. PERSONAL PROTECTION:

- **RESPIRATORY PROTECTION:** Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapour/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and usage.
- **VENTILATION:** Sufficient ventilation must be provided to maintain airborne concentrations below TLV, PEL and LEL Limits as listed in SECTION 8.
- **PROTECTIVE GLOVES:** Chemical resistant protective gloves (such as Neoprene or Butyle rubber) should be worn when handling this product. Check with glove manufacturer to determine proper glove type.
- **EYE PROTECTION:** Splash-proof chemical goggles should be worn.
- **OTHER PROTECTIVE EQUIPMENT:** Impervious clothing and boots should be worn. Eye bath and safety shower should be provided.
- **HYGIENIC PRACTICES:** Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to, washing up when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

FORM	Viscous Liquid	
COLOUR	Varied	
ODOUR	Fruity (Esters)	
OLFACTIVE THRESHOLD	50 ppm (Ethyl Acetate)	
MELTING POINT	- 84 °C (Ethyl Acetate)	
BOILING POINT	77°C at 1013 hPa (Ethyl Acetate)	
BOILING RANGE	77 to 130°C	
SPECIFIC GRAVITY	0.980 - 1.020	
VAPOUR PRESSURE (hPa)	100 (20°C) (Ethyl Acetate)	
VAPOUR DENSITY (Relative: Air = 1)	3.04 (Ethyl Acetate)	
FLASH POINT	- 5 °C	
AUTO IGNITION TEMPERATURE	460 °C	
FLAMMABLE LIMITS (% v/v)	Upper	Lower
Ethyl Acetate	11.0	2.2
Butyl Acetate	7.6	1.7
Isopropanol	12.0	1.8
pH	Not applicable	

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SOLUBILITY IN WATER

WATER/OCTANOL DISTRIBUTION COEFFICIENT

EVAPORATION RATE

VISCOSITY (Brookfield)

Insoluble

Log Kow = 0.6 0 (Ethyl Acetate)

Slower than ether

1500 - 4000 mPa.s

SECTION 10 - STABILITY AND REACTIVITY

10.1. REACTIVITY: Material is STABLE under non-emergency conditions.

10.2. CHEMICAL STABILITY: Material WILL NOT undergo hazardous polymerisations.

10.3. HAZARDOUS REACTION: Not known.

10.4. CONDITIONS TO AVOID: Heat, sparks, open flame.

10.5. MATERIALS TO AVOID: Sodium hydroxide, nitric acid, oxidizers, acids, alkali, metal, amines.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS: Methane, oxides of nitrogen, carboxylic acids, various hydrocarbons, oxides of carbon, aldehydes, hydrogen cyanide, acids.

SECTION 11 - TOXICOLOGICAL INFORMATION

SUBSTANCE	LD50 (Oral, Rat)	LC50 (Inhal, Rat)	LC50 (Dermal, Rabbit)
BUTYL ACETATE	14000 mg/Kg	2000 ppm	
ETHYL ACETATE	11300 mg/Kg	1600 ppm (8h)	
ISOPROPYL ALCOHOL	5840 mg/Kg	16000 ppm (8h)	13000 mg/Kg

The product has not been tested. The statements on toxicology have been derived from the literature.

INGESTION: Ingestion can cause nausea and a great narcosis with weakness, drowsiness and loss of consciousness.

INHALATION: Can cause irritation of the nose and the throat. At high concentration can cause narcosis.

SKIN CONTACT: Prolonged contact can cause cracks in skin.

EYE CONTACT: Can cause irritation of the conjunctive. Can cause injury of the cornea.

SECTION 12 - ECO-TOXICOLOGICAL INFORMATION

Any reject of this product in the sewer or stream must be avoided.

WATER HAZARD CLASS: WGK1

Slightly hazardous for water

SECTION 13 - DISPOSAL CONSIDERATIONS

Incinerate in a furnace where permitted under national and local regulations.

SECTION 14 - TRANSPORT INFORMATION

14.1. ROAD TRANSPORT:

Technical name	PAINT
ADR Class	3
ADR Pack group	II
Tunnels Restriction Code	D/E
Danger label	3
Kemler number	33
UN Number	1263
Hazchem Code	3YE

14.2. IATA:

Technical name	PAINT
UN Number	1263
IATA Class	3
Danger label	3
Pack Group	II
Packing instruction	353 (Passenger) – Maximum Quantity 5L 364 (Cargo) – Maximum Quantity 60L

UN Number ID 8000 CONSUMER COMMODITY

14.3. MARITIME TRANSPORT:

Technical name	PAINT
UN Number	1263
IMDG Class	3
Marine pollutant	No
Ems Number	F-E, S-D
IMDG Pack Group	II
Danger Label	3
Flash point	-5°C

Other indications relative to maritime transport:

- Not viscous product as per IMDG code 2.3.2.5
- Limited Quantity: 5l/30kg (gross)
- Certified packaging:
 - Internal packaging: Metal, Glass, Plastic
 - External packaging: Carton 4G

SECTION 15 - REGULATORY INFORMATION

No other data.

SECTION 16 - OTHER INFORMATION

RELEVANT PHRASES:

- H225 Highly flammable liquid and vapour
- H226 Flammable liquid and vapour
- H228 Flammable solid
- H319 Cause serious eye irritation
- H336 May cause drowsiness and dizziness

SAFETY DATA SHEET

This MSDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. _____[®] cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact:

Please read all labels carefully before using the product.