



Trimfix Supplies: Unit 5/200 Hamilton Road New Gisborne VIC.
M.S.D.S INFORMATION – Telephone: 03 5428 3988

Postal: PO Box 98 Gisborne VIC 3437
Facsimile: 03 5428 4988

MATERIAL SAFETY DATA SHEET

PRODUCT: VINYL LACQUER
ISSUED: 01/06/2016
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SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: VINYL LACQUER **Code:** L**200, L**01, L**02
Other Names: VINYL PAINT
Product Use: FLEXIBLE COATING [PVC. VINYL. PU. RIM)
Supplier: Trimfix Supplies (A.B.N 90 053 151 397)
Address: Unit 5/200 Hamilton Road, New Gisborne, VIC, 3438
Phone: 03 5428 3988 Facsimile: 03 5428 4988

Emergency Telephone Number:
Poisons Information Centre 131 126 (24 hours a day)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

- R11 Highly flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R36 Irritating to eyes.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R63 Possible risk of harm to the unborn child.
- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES

- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe fumes.
Do not breathe vapour.
- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

- S46 If swallowed, contact a doctor or Poisons Information Centre immediately and show container or label.



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SECTION 2: HAZARD IDENTIFICATION cont.

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. 1263
DG Class 3
Subsidiary Risk(s) None Allocated
Packing Group II
Hazchem Code •3YE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Formula	Cas No.	Content
N-BUTYL ACETATE	C6-H12-O2	123-86-4	10-30%
2-METHOXY-1-METHYLETHYL ACETATE	C6-H12-O3	108-65-6	1-10%
4-HYDROXY-4-METHYL-2-PENTANONE (DIACETONE ALCOHOL)	C6-H12-O2	123-42-2	1-10%
ISOBUTYL ALCOHOL	C4-H10-O	78-83-1	1-10%
METHANOL	C-H4-O	67-56-1	1-10%
METHYL ETHYL KETONE (MEK)	C4-H8-O	78-93-3	1-10%
METHYL ISOBUTYL KETONE	C6-H12-O	108-10-1	1-10%
TOLUENE	C7-H8	108-88-3	1-10%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

SECTION 4: FIRST AID MEASURES

Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention.

Inhalation: If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

Ingestion: For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

First Aid Facilities: Eye wash station and Safety shower should be available.

Advice to Doctor: Treat symptomatically



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SECTION 5: FIRE FIGHTING MEASURES

Flammability Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.

Fire and Explosion Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.

Hazchem Code •3YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spillage Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources. Prevent spill entering drains or waterways.

SECTION 7: HANDLING and STORAGE

Precautions for Safe Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for Safe Storage: Store in a cool, dry, well ventilated area, preferably flammables store, removed from direct sunlight, heat or ignition sources, oxidising agents, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate fire protection and ventilation systems.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

Ingredient	Reference	Determinant	Sampling	Time
METHANOL	ACGIH BEI	Methanol in urine	End of shift	15 mg/L
METHYL ETHYL KETONE (MEK)	ACGIH BEI	MEK in urine	End of shift	2 mg/L
METHYL ISOBUTYL KETONE	ACGIH BEI	MIBK in urine	End of shift	2 mg/L
TOLUENE	ACGIH BEI	o-Cresol in urine	End of shift	0.5 mg/L
	ACGIH BEI	Hippuric acid in urine	End of shift	1.6 g/g creatinine
	ACGIH BEI	Toluene in blood	Prior to last shift of workweek	0.05 mg/L

Biological Limits

Ingredient	Reference	TWA	STEL		
1-Methoxy-2-propanol acetate	SWA (AUS)	50 ppm	274 mg/m3	100 ppm	548mg/m3
Diacetone alcohol	SWA (AUS)	50 ppm	238 mg/m3	--	--
Isobutyl alcohol	SWA (AUS)	50 ppm	152 mg/m3	--	--
Methanol	SWA (AUS)	200 ppm	262 mg/m3	250 ppm	328mg/m3
Methyl ethyl ketone (MEK)	SWA (AUS)	150 ppm	445 mg/m3	300 ppm	890mg/m3
Methyl isobutyl ketone	SWA (AUS)	50 ppm	205 mg/m3	75 ppm	307mg/m3
Toluene	SWA (AUS)	50 ppm	191 mg/m3	150 ppm	574mg/m3
n-Butyl acetate	SWA (AUS)	150 ppm	713 mg/m3	200 ppm	950mg/m3

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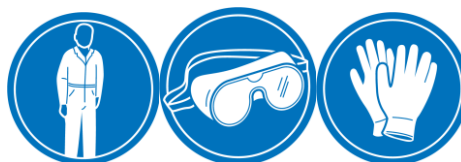
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

Engineering Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion] proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

Controls

PPE Wear splash-proof goggles, viton (R) or PVA gloves and coveralls. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator. If sanding dry product, wear: a Class P1 (Particulate) respirator. If spraying, with prolonged use, or if in confined areas, wear: impervious coveralls and an Air-line respirator.



SECTION 9: PHYSICAL – CHEMICAL PROPERTIES

Appearance	CLEAR LIQUID	Solubility (water)	INSOLUBLE
Odour	STRONG SOLVENT ODOUR	Specific Gravity	0.89
pH	NOT AVAILABLE	% Volatiles	76%
Vapour Pressure	NOT AVAILABLE	Flammability	HIGHLY FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	< 23°C
Boiling Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE		
Autoignition Temperature	NOT AVAILABLE	Decomposition Temperature	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE	Viscosity	NOT AVAILABLE

SECTION 10: STABILITY and REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), heat and ignition sources.

Hazardous Decomposition Products May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Hazardous Reactions Polymerization is not expected to occur.



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SECTION 11: TOXICOLOGICAL INFORMATION

Health Hazard Summary	Toxic - irritant. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Chronic exposure may result in liver, kidney and central nervous system (CNS) damage.
Eye	Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. May result in burns with prolonged contact.
Inhalation	Irritant - toxic. Over exposure may result in irritation of the nose and throat, coughing, nausea, headache, fatigue, loss of appetite and vomiting. High level exposure may result in dizziness, breathing difficulties, pulmonary oedema and unconsciousness. Chronic exposure may result in kidney, liver and CNS damage.
Skin	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with harmful effects.
Ingestion	Toxic - irritant. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhoea. Ingestion of large quantities may result in liver and kidney damage, and unconsciousness. Aspiration may result in chemical pneumonitis and pulmonary oedema.
Toxicity Data	<p>N-BUTYL ACETATE (123-86-4) LC50 (Inhalation): 2000 ppm/4hours (rat) LCLo (Inhalation): 67 g/m³/4hours (guinea pig) LD50 (Ingestion): 3200 mg/kg (rabbit) LDLo (Ingestion): 4700 mg/kg (guinea pig) TCLo (Inhalation): 200 ppm (human)</p> <p>2-METHOXY-1-METHYLETHYL ACETATE (108-65-6) LD50 (Ingestion): 8532 mg/kg (rat) LD50 (Intraperitoneal): 750 mg/kg (mouse) LD50 (Skin): > 5000 mg/kg (rabbit)</p> <p>4-HYDROXY-4-METHYL-2-PENTANONE (DIACETONE ALCOHOL) (123-42-2) LD50 (Ingestion): 3950 mg/kg (mouse) LD50 (Skin): 13500 mg/kg (rabbit) LDLo (Ingestion): 4653 mg/kg (rabbit) TCLo (Inhalation): 100 ppm human (eye, headache).</p> <p>ISOBUTYL ALCOHOL (78-83-1) LCLo (Inhalation): 8000 ppm/4 hours (rat) LD50 (Ingestion): 2460 mg/kg (rat) LD50 (Skin): 3400 mg/kg (rabbit) LDLo (Ingestion): 3750 mg/kg (rabbit) TDLo (Ingestion): 29 g/kg/71 weeks intermittently (rat; tumors) TDLo (Skin): 9 g/kg/78 weeks intermittently (rat; tumors)</p>



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SECTION 11: TOXICOLOGICAL INFORMATION cont.

METHANOL (67-56-1)

LC50 (Inhalation): 50 g/m³/2 hours (mouse)
LCLo (Inhalation): 1000 ppm (monkey)
LD50 (Ingestion): 5628 mg/kg (rat)
LD50 (Skin): 15,800 mg/kg (rabbit)
LDLo (Ingestion): 143 mg/kg (human)
LDLo (Skin): 393 mg/kg (monkey)
TCLo (Inhalation): 300 ppm human (visual effects)
TDLo (Ingestion): 3429 mg/kg (man-visual change)

METHYL ETHYL KETONE (MEK) (78-93-3)

LC50 (Inhalation): 23500 mg/kg (rat)
LD50 (Ingestion): 2737 mg/kg (rat)
LD50 (Intraperitoneal): 607 mg/kg (rat)
LD50 (Skin): 6480 mg/kg (rabbit)
TCLo (Inhalation): 100 ppm/5 minutes (Human - eye irritant)

METHYL ISOBUTYL KETONE (108-10-1)

LC50 (Inhalation): 23300 mg/m³ (rat)
LCLo (Inhalation): 4000 ppm/4 hours (rat)
LD50 (Ingestion): 1600 mg/kg (guinea pig)
LD50 (Intraperitoneal): 268 mg/kg (mouse)
LD50 (Skin): > 20 mL/kg (rabbit)

TOLUENE (108-88-3)

LC50 (Inhalation): 400 ppm/24 hours (mouse)
LCLo (Inhalation): 1600 ppm (guinea pig)
LD50 (Ingestion): 636 mg/kg (rat)
LD50 (Skin): 14100 uL/kg (rabbit)
LDLo (Ingestion): 50 mg/kg (human)
TCLo (Inhalation): 50 ppm (man)
TDLo (Ingestion): 400 mg/kg (rat)

SECTION 12: ECOLOGICAL INFORMATION

Environment

If aromatic hydrocarbons are released to soil, they will evaporate from near-surface soil & leach to groundwater. Biodegradation occurs in soil & groundwater but may be slow, especially at high concentrations, which can be toxic to microorganisms. Will exist largely as vapour in air. Half life in atmosphere depends on particular hydrocarbon (eg 1-2 days (xylene); 3 hrs-1 day (toluene)).



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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact the manufacturer for additional information if required.

Legislation Dispose of in accordance with relevant local legislation.

SECTION 14: TRANSPORT INFORMATION



CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)				
UN No.	1263	DG Class	3	Subsidiary Risk(s)	None Allocated
Packing Group	II	Hazchem Code	3YE	GTEPG	3C1

IATA

Shipping Name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)				
UN No.	1263	DG Class	3	Subsidiary Risk(s)	None Allocated
Packing Group	II				

IMDG

Shipping Name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)				
UN No.	1263	DG Class	3	Subsidiary Risk(s)	None Allocated
Packing Group	II				



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SECTION 15: REGULATORY INFORMATION

Poison Schedule Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16: OTHER INFORMATION

Additional Information **WORK PRACTICES - SOLVENTS:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ABBREVIATIONS:

ACGIH - American Conference of Industrial Hygienists.

ADG - Australian Dangerous Goods.

BEI - Biological Exposure Indice(s).

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EC No - European Community Number.

HSNO - Hazardous Substances and New Organisms.

IARC - International Agency for Research on Cancer.

mg/m³ - Milligrams per Cubic Metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

STEL - Short Term Exposure Limit.

SWA - Safe Work Australia.

TWA - Time Weighted Average.



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SECTION 16: OTHER INFORMATION cont.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this ChemAlert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status This document has been compiled by RMT on behalf of the manufacturer of the product and serves as The manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Emergency Contact: Poisons Information Centre 13 11 26
Trimfix Supplies (03) 54283988

Disclaimer

Data provided is to best of Trimfix Supplies knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. Trimfix Supplies cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document

SDS 01/06/2016
END OF REPORT