

Liquid Laminate Clear.

Liquid Laminate (Australia).

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

SECTION 1, IDENTIFICATION OF THE SUBSTANCE.

a, Product name, Liquid Laminate.

b, Variations included, **Gloss.**



c, Other means of identification,

d, Relevant identified uses of the substance or mixture, and uses advised against,
Recognized use as touch up paint for small scratches, chips and damaged surfaces in the manufacturing and installation industry.

Not to be used as nail varnish/art, or any type of use on skin or hair.

Details of the supplier of the safety data sheet.

Registered company name, Liquid Laminate (Australia).

ABN: - 82 243 910 450.

Address, 19 Mountain Creek Rd, QLD, 4557, Australia.

Telephone, 0428770868.

Email, liquidlaminatEAU@gmail.com

Emergency telephone number.

AUSTRALIAN POISONS CENTRE, 131126.

SECTION 2 HAZARDS IDENTIFICATION.

Classification of the substance or mixture.

Classification [1]

Determined by Chemwatch using GHS/HSNO criteria

Not Applicable

Not Available

Label elements

Hazard pictogram(s)

NOT APPLICABLE

SIGNAL WORD

NOT APPLICABLE

Hazard statement,

Not Applicable

Precautionary statement, Prevention,

Not Applicable

Precautionary statement, Response,

Not Applicable

Precautionary statement, Storage,

Not Applicable

Precautionary statement, Disposal,

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures.

There are no hazardous ingredients required for disclosure.

Mixtures CAS No, Legend: 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L; * EU IOELVs available.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact If this product comes in contact with eyes:

- Wash out immediately with water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in the event of irritation.

Inhalation - If fumes, aerosols or combustion products are inhaled, remove from contaminated area.

- Other measures are usually unnecessary.

Ingestion - Immediately drink plenty of water.

- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
- If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media: - Water fog, alcohol stable foam.

Special hazards arising from the substrate or mixture.

Fire Incompatibility, Avoid contamination with oxidizing agents.

Advice for firefighters,

Fire Fighting. Alert the Fire Brigade and tell them the location and nature of the hazard.

Fire/Explosion Hazard. Noncombustible.

Burning release: carbon dioxide (CO₂) and other pyrolysis products typical of burning organic material.

May emit poisonous fumes.

May emit corrosive fumes.

HAZCHEM. Not Applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures, See section 8

Environmental precautions, See section 12.

Methods and material for containment and cleaning up.

Minor Spills, contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up.

Major Spills, Clear area of personnel and move upwind. Wear appropriate personnel protective equipment and clothing to prevent exposure. Avoid breathing! in mists or vapors and skin or eyes contact. Contain spill with sawdust or sand then place in suitable container for disposal. Clean area with large quantity of water to complete clean- up.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling.

Safe handling, Avoid unnecessary personal contact.
Other information: Store in original containers.

Conditions for safe storage, including any incompatibilities.

Suitable container, Packaging as recommended by manufacturer.
Storage incompatibility, strong oxidizers

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters. OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA, Not Available

Emergency Limits

Ingredient	<u>TEEL-1</u>	<u>TEEL-2</u>	<u>TEEL-3</u>
<i>2,2,4-trimethyl-1,3-pentenediol monoisobutyrate</i>	13 mg/m3	140 mg/m3	840 mg/m3

Ingredient	<u>Original IDLH</u>	<u>Revised IDLH</u>
<i>2,2,4-trimethyl-1,3-pentenediol monoisobutyrate</i>	Not Available	Not Available

Exposure controls

Appropriate engineering controls, Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

Eye and face protection, Safety glasses with side shields

Skin protection, See Hand protection below.

Hands/feet protection, Wear general protective gloves, e.g. light weight rubber gloves. (GLOVE SELECTION Material PE/EVAL/PE)

Other protection, Not usually required. Where the concentration of vapors in the breathing zone approaches or exceeds the “Exposure Standards” respiratory protection is required. Type, A Filter of sufficient capacity.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties.

Physical state -	<i>Liquid.</i>
Relative density (Water = 1) -	1.03- 1.05.
Odor -	<i>Not Available.</i>
Partition coefficient n-octanol/ water -	<i>Not Available.</i>
Odor limit -	<i>Not Available.</i>
Auto-ignition temperature (°C) -	<i>Not Available.</i>
pH -	8-9.
Decomposition temperature -	<i>Not Available.</i>
Melting point / freezing point (°C)	<i>Not Available.</i>
Viscosity (cSt) -	570-780.
Initial boiling point/ boiling range (°C) -	100.
Molecular weight (g/mol)	<i>Not Available.</i>
Flash point (°C) -	<i>Not Available.</i>
Taste -	<i>Not Available.</i>
Evaporation rate -	<i>Not Available. BuAC = 1.</i>
Explosive Properties -	<i>Not Available.</i>
Flammability	<i>Not Available.</i>
Oxidizing Properties -	<i>Not Available.</i>
Upper Explosive Limit (%) -	<i>Not Available.</i>
Lower Explosive Limit (%) -	<i>Not Available.</i>
Surface Tension (dyn/cm or mN/m) -	<i>Not Available.</i>
Volatile Component (%vol) -	69.
Vapor pressure (kPa) -	<i>Not Available.</i>
Gas Group -	<i>Not Available.</i>
Solubility in water –	<i>Miscible.</i>
pH as a solution (1%) -	<i>Not Available.</i>
Vapor density (Air = 1) -	<i>Not Available.</i>
VOC g/L -	<70.

SECTION 10 STABILITY AND REACTIVITY

For Reactivity, Possibility of hazardous reactions, Conditions to avoid & Incompatible materials. See **section 7**.

Hazardous decomposition products. See **section 5**.

Chemical stability, Product is considered stable and hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION and effects.

- Inhaled - The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models)
- Ingestion - The material has **NOT** been classified by EC Directives or other classification systems as 'harmful by ingestion'.
- Skin Contact - The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives).; the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts abraded or irritated skin should not be exposed to this material. Entry into the bloodstream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects.
- Eye Contact - Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals.
characterized by tearing or conjunctival redness (as with windburn).
- Chronic - None known.

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TOXICITY	IRRITATION	
Not Available.		Not Available.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	
TOXICITY	IRRITATION
dermal (guinea pig) LD50: >19 mg/kg[2]	Eye: no adverse effect observed (not irritating)[1]
Oral (Rat) LD50: >3200 mg/kg[2]	Eyes - Moderate irritant *
	Skin - Slight irritant *
	Skin (rabbit): mild ***
	Skin: no adverse effect observed (not irritating) [1]

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

The following information refers to contact allergens as a group and may not be specific to this product. Generally, linear and branched-chain alkyl esters are hydrolyzed to their component alcohols and carboxylic acids in the intestinal tract, blood and most tissues throughout the body.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate
 Not a skin sensitizer (guinea pig, Magnusson-Kligman) *** Ames Test: negative *** Micronucleus, mouse: negative *** Not mutagenic *** No effects on fertility or fetal development seen in the rat *** * [SWIFT] ** [Eastman] *** [Perstop] The material may be irritating to the eye, with prolonged contact causing inflammation. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

Acute Toxicity	X	Carcinogenicity	X
Skin Irritation/Corrosion	X	Reproductivity	X
Serious Eye Damage/Irritation	X	STOT - Single Exposure	X
Respiratory or Skin sensitization	X	STOT - Repeated Exposure	X
Mutagenicity	X	Aspiration Hazard	X

Legend: X = Data either not available or does not fill the criteria for classification.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity.

Liquid Laminate.

ENDPOINT.	TEST DURATION (HR).	SPECIES.	VALUE.	SOURCE.
Not Available	Not Available	Not Available	Not Available	Not Available
<u>2,2,4-trimethyl-1,3-pentanediol monoisobutyrate</u>				
ENDPOINT.	TEST DURATION (HR).	SPECIES.	VALUE.	SOURCE.
LC50	96h	Fish	16mg/l	Not Available
NOEC(ECx)	72h	Algae & aquatic plants,	3.28mg/l	1
EC50	48h	Crustacea	>19mg/l	2
EC50	72h	Algae & aquatic plants,	15mg/l	Not Available

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan)- Bioconcentration Data 8. Vendor Data.

The isothiazolinones are very toxic to marine organisms (fish, Daphnia magna and algae) The high water solubility and low log Kow values of several chlorinated and non-chlorinated indicate a low potential for bioaccumulation.

DO NOT discharge into sewer or waterways.

Persistence and degradability.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate

Persistence: Water, Soil	LOW	Air,	LOW
Bio accumulative potential.	Bioaccumulation	LOW (LogKOW = 2.9966)	
Mobility in soil.	Mobility	LOW (KOC = 22.28)	

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods.

Product / Packaging disposal, Legislation addressing waste disposal requirements may differ by country, state and/ or territory.

DO NOT allow wash water from cleaning or process equipment to enter drains.

Recycle wherever possible or consult Local Authority for recycling options. Consult Local Authority for the disposal information. **Do not discharge the substance into the environment.**

SECTION 14 TRANSPORT INFORMATION

Labels Required: - Marine Pollutant, NO. HAZCHEM, NO.

Land transport (ADG): **NOT** REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

Air transport (ICAO-IATA / DGR): **NOT** REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

Sea transport (IMDG-Code / GGVSee): **NOT** REGULATED FOR TRANSPORT OF DANGEROUS GOODS. Transport in bulk according to Annex II of MARPOL and the IBC code, **Not Applicable.**

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture
This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number Not Applicable **Group Standard** Not Applicable

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate is found on the following regulatory lists

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
- Classification Data

New Zealand Inventory of Chemicals (NZIoC)
Additional Regulatory Information, Not Applicable

Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

National Inventory. Status.

Australia - AIIIC / Australia

Non-Industrial Use Yes.

New Zealand - NZIoC Yes.

Legend: Yes = All CAS declared ingredients are on the inventory.

No = One or more of the CAS listed ingredients are not on the inventory These ingredients may be exempt or will require registration.

SECTION 16 OTHER INFORMATION

Revision Date 1/07/2024

Initial Date 1/07/2024

Other information.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.