



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: LEATHER LACQUER THINNERS **ISSUED:** 01/06/2016
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SECTION 1: IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name: LEATHER LACQUER THINNERS **Code:** LLT
Product Use: Thinner
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 NOHSC CRITERIA

Risk Phrases

- R11** Highly flammable.
- R20/21** Harmful by inhalation and in contact with skin.
- R38** Irritating to skin.

Safety Phrases

- S16** Keep away from sources of ignition - No smoking.
- S2** Keep out of reach of children.
- S25** Avoid contact with eyes.
- S38** In case of insufficient ventilation, wear suitable respiratory equipment.

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

UN No.	1993	DG Class	3	Subsidiary Risk(s)	None Allocated
Pkg Group	II	Hazchem Code	3[Y]E	EPG	3A1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
N-BUTYL ACETATE	C6-H12-O2	123-86-4	>75%
ETHYL ACETATE	C4-H8-O2	141-78-6	1-10%
METHYL ETHYL KETONE (MEK)	C4-H8-O	78-93-3	1-10%
XYLENE	C8-H10	1330-20-7	1-10% to 100%



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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 Poison Information Centre or a doctor, or for at least 15 minutes.
- Inhalation:** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.
- 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 the Poisons Information Centre or a doctor.
- Ingestion:** For advice, contact a Poisons Information Centre or a doctor (at once). If swallowed, do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

- Flammability** Highly flammable. Vapours may form explosive mixtures with air. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights etc. when handling. Earth containers when dispensing fluids.
- Fire and Explosion** Highly flammable - explosive vapour. Evacuate area and contact emergency services. Toxic gases may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) 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** 3[Y]E



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SECTION 6: ACCIDENTAL RELEASE MEASURES



Spillage If spilt (bulk), contact emergency services. Wear splash-proof goggles, PVA/viton gloves, a Type A (Organic vapour) respirator or Air-line respirator, coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Eliminate heat and ignition sources, absorb spill with sand or similar and place in sealable containers for disposal. Prevent spill entering drains or waterways.

SECTION 7: HANDLING and STORAGE

Storage Store in cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, direct sunlight, heat or ignition sources, foodstuffs, out of direct sunlight and out of the reach of children. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection.

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.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds	Ingredients	Reference	TWA		STEL	
			Ppm	mg/m3	ppm	mg/m3
	Ethyl acetate	NOHSC (AUS)	200	720	400	1440
	Methyl ethyl ketone (MEK)	NOHSC (AUS)	150	445	300	890
	n-Butyl acetate	NOHSC (AUS)	150	713	200	950
	Xylene	NOHSC (AUS)	80		150	

Biological Limits	Ingredient	Reference	Determinant	Sampling Time	BEI
	METHYL ETHYL KETONE (MEK)	ACGIH BEI	MEK in urine	End of shift	2 mg/L
	XYLENE	ACGIH BEI	Methylhippuric acids in urine	End of shift	1.5 g/g creatinine

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

Personal Protective Equipment (PPE):



Wear splash-proof goggles, viton (R) or PVA gloves and coveralls. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. At high vapour levels, wear an Air-line respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) Respirator.

Engineering Controls

Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, 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.

SECTION 9: PHYSICAL – CHEMICAL PROPERTIES

Appearance	CLEAR COLOURLESS LIQUID	Solubility (water)	INSOLUBLE
Odour	STRONG SOLVENT ODOUR	Specific Gravity	0.85
pH	NOT AVAILABLE	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	HIGHLY FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	-4°C (Ethyl acetate)
Boiling Point	NOT AVAILABLE	Upper Explosion Limit	7.6 % (n-Butyl Acetate)
Melting Point	NOT AVAILABLE	Lower Explosion Limit	1.7 % (n-Butyl acetate)
Evaporation Rate	NOT AVAILABLE	Autoignition Temperature	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, peroxides), acids (eg. sulphuric acid), strong alkalis (eg. hydroxides), heat and ignition sources.
Decomposition	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Hazardous Reactions	Hazardous 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 acute and chronic adverse health effects with over exposure. Avoid eye or skin contact and vapour/mist inhalation. Chronic exposure may result in liver, kidney and CNS damage.

Eye Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. Prolonged contact may result in corneal burns and possible permanent damage.

Inhalation Irritant - toxic. Over exposure may result in irritation of the nose and throat, headache, fatigue, loss of appetite, nausea and vomiting. At high levels; dizziness, breathing difficulties, pulmonary oedema and unconsciousness. Chronic exposure may cause liver, kidney and CNS damage.

Skin Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with toxic effects.

Ingestion Toxic. 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 N-BUTYL ACETATE (123-86-4)

LC50 (Inhalation): 2000 ppm/4hours (rat)
LD50 (Ingestion): 3200 mg/kg (rabbit)

ETHYL ACETATE (141-78-6)

LC50 (Inhalation): 1600 ppm/8hrs (rat)
LD50 (Ingestion): 4100 mg/kg (mouse)

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

LC50 (Inhalation): 23500 mg/kg (rat)
LD50 (Ingestion): 2737 mg/kg (rat)
LD50 (Skin): 6480 mg/kg (rabbit)

XYLENE (1330-20-7)

Carcinogenicity: Not classifiable as to its carcinogenicity (IARC Group 3)
LD50 (Ingestion): 4300 mg/kg (rat)
LD50 (Skin): > 1700 mg/kg (rabbit)



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SECTION 12: ECOLOGICAL INFORMATION

Environment Aliphatic hydrocarbons behave differently in the environment depending on their size.
WATER: Light aliphatics volatilise rapidly from water (half life - few hours). Bioconcentration should not be significant.
SOIL: Light aliphatics biodegrade quickly in soil and water, heavy aliphatics biodegrade very slowly.
ATMOSPHERE: Vapour-phase aliphatics will degrade by reaction with hydroxyl radicals.

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 FLAMMABLE LIQUID, N.O.S.

UN No. 1993

DG Class 3

Subsidiary Risk(s) None Allocated

Pkg Group II

Hazchem Code 3[Y]E

EPG 3A1

SECTION 15: REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

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



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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.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD)

(NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

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

CNS - Central Nervous System.

EINECS - European Inventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

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.

TWAVES - Time Weighted Average or Exposure Standard.



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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 Chem Alert 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 Chem Alert 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.

Date Prepared: 01/06/2016

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

Disclaimer

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