

MATERIAL SAFETY DATA SHEET

L-malic Acid

30/05/2025



1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER			
Product Trade Name	L-malic Acid		
Synonym names	L-Hydroxysuccinic acid; Apple acid		
CAS number	97-67-6		
EINECS number	202-601-5		
Pre-registration number	N/A		
Contact Details	<table border="0"><tr><td>New Zealand Kauri New Zealand Ltd Level 1, 120 Johnsonville Road, Johnsonville, Wellington, 6037, New Zealand. Tel: +64 4 476 0105</td><td>Australia Kauri Australia Limited Partnership 2/323 Ingles Street, Port Melbourne VIC, 3207, Australia Tel: 1800 127 611</td></tr></table>	New Zealand Kauri New Zealand Ltd Level 1, 120 Johnsonville Road, Johnsonville, Wellington, 6037, New Zealand. Tel: +64 4 476 0105	Australia Kauri Australia Limited Partnership 2/323 Ingles Street, Port Melbourne VIC, 3207, Australia Tel: 1800 127 611
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2. COMPOSITION / INFORMATION ON INGREDIENTS	
Ingredients	L-malic acid: ≥99.0% CAS number: 97-67-6 EINECS number: 202-601-5

3. HAZARD IDENTIFICATION	
Health Hazards	Signal word: Warning Pictogram: 
Potential Health Effects	
Eye contact	H319 Causes serious eye irritation. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
Skin contact	H315 Causes skin irritation P264 Wash hands thoroughly after handling. P302 + P352 IF ON SKIN: Wash with plenty of water P362 + P364 Take off contaminated clothing and wash it before reuse. Supplemental Hazard information (EU) Not applicable P332+P313 If skin irritation occurs: Get medical advice/attention.

4. FIRST AID MEASURES	
Eye Contact	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention
Skin Contact	Wash off thoroughly with plenty of water. If irritation develops, seek medical attention



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30/05/2025



Ingestion	Rinse mouth immediately and then drink plenty of water. If large quantities of this material are swallowed, call a physician immediately
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Oxygen may additionally be given, by trained personnel, if it is available. Get medical attention if symptoms occur
General notices	Removal and handling of contaminated clothing and shoes from the individual are recommended.

5. FIRE FIGHTING MEASURES	
Flash Point	Closed cup: Higher than 93.3°C (200°F)
Extinguishing Media	Small fire: use dry chemical powder. Large fire: Use water spray, fog Do not use water jet.
Special Fire Fighting Procedures	In case of fire, the following can be released: carbon monoxide, carbon dioxide. Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard
Additional Hazards	As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear

6. SPILLAGE/ACCIDENTAL RELEASE MEASURES	
Spill procedures	Do not allow material to be released to the environment without proper governmental permits
Waste disposal Method	Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

7. HANDLING AND STORAGE	
Handling	Use personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands thoroughly after handling.
Suitable storage conditions	Kept airtightly in a light-proof, dry and cool place.
Incompatible products / materials	Keep the substance away from oxidising agents.
Conditions to avoid	Incompatible materials. Dust generation, excess heat. Reactive with oxidizing agents, reducing agents, alkalis.



L-malic Acid

30/05/2025



8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Eye Contact	Wear safety goggles
Skin Contact	Handle with gloves. Type of gloves recommended: Nitrile rubber. Minimum breakthrough time / gloves: 480 min. Glove thickness: 0.11mm Wear protective clothing. Protective boots, if the situation requires
Ingestion	No data.
Inhalation	Wear a dust respirator

9. PHYSICAL AND CHEMICAL DATA	
Smoke Point	No data
Flash Point	Closed cup: Higher than 93.3°C (200°F).
Solubility in Water	36.35 g/100 g
Physical State	solid crystalline substance or powder
Relative Density	1.601 (Water = 1)
Volatiles	No data

10. STABILITY AND REACTIVITY	
Stability	Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to avoid	Incompatible materials. Dust generation, excess heat.
Materials to avoid	Reactive with oxidizing agents, reducing agents, alkalis.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.

11. TOXICITY INFORMATION	
Effects of Overexposure	No data
Toxicity Data	<p>Acute toxicity: Not Classified</p> <p>Skin corrosion/irritation: Causes skin irritation</p> <p>Serious eye damage/irritation: Causes serious eye irritation</p> <p>Respiratory or skin sensitisation: Not classified</p> <p>Germ cell mutagenicity: Not classified</p> <p>Carcinogenicity: Not classified</p> <p>Reproductive toxicity: Not classified</p> <p>STOT-single exposure: Not classified</p> <p>STOT-repeated exposure: Not classified</p> <p>Aspiration hazard: Not classified</p>



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12. ECOLOGICAL INFORMATION	
Environmental Hazard	No data available

13. DISPOSAL INFORMATION	
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14. TRANSPORT INFORMATION	
Transport options	By transport regulations the substance is not classified as dangerous. UN number not applicable UN proper shipping name not applicable Transport hazard class(es) not applicable Packing group not applicable Environmental hazards not applicable Special precautions for user not applicable

15. REGULATORY INFORMATION	
Chemical Safety Assessment	Chemical safety assessment has not been performed.

16. OTHER INFORMATION	
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