

**1. CHEMICAL IDENTIFICATION AND COMPANY****INFORMATION**

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Product Name:	<b>L-MALIC ACID</b>
Reference:	SD6002
Field of application:	Food, in vitro analysis (wine and others)
Information in case of emergency:	National Institute of Toxicology (+34-91-5620420)
Reagent Supplier	Sinatech Analytical Systems SL
Address:	Av. Parc tecnològic Vallès 3 08290 Cerdanyola Barcelona, Spain
Tel:	+34 93 5820205
e-Mail	<a href="mailto:info@sinatech.es">info@sinatech.es</a>
Web site:	<a href="http://www.sinatech.es">www.sinatech.es</a>

**2. COMPOSITION OF PRODUCT AND INFORMATION****OF INGREDIENTS**

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Dangerous components:	R1: Sodium azide (247-852-1, CAS 26628-22-8) R2: Etilenglicol (203-473-3, CAS 127-21-1)
Chemical characterization:	R1: TRIS 200mM buffer, Malate Dehydrogenase, Sodium Azide <0.1%  R2: TRIS 200mM buffer, NAD <sup>+</sup> 20 mM, Aspartato Aminotrasferase, Etilenglicol <5%

**3. PHYSICAL AND CHEMICAL CHARACTERISTICS**

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Form, color and pH:	R1: Liquid, colorless, odorless, pH 8,5 R2: Liquid, yellowish, odorless, pH 8,5
Solubility in water:	Soluble in water
Flammable/non flammable:	non-flammable
Explosive/non explosive:	non-explosive

**4. IDENTIFICATION OF HAZARDS**

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Classification:	Not hazardous according to Regulation (EC) No. 1272/2008
Pictogram:	None
Signal word:	None
Hazard statements:	None

Precautionary statements: None

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**5. HEALTH EFFECTS**

Data not available

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**6. EMERGENCY FIRST AID PROCEDURES**

Eye contact: Wash eyes immediately with plenty of water  
 Skin contact: Wash with plenty of water  
 Ingestion: Requires medical control

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**7. ACCIDENTAL SPILLAGE MEASURES**

After spillage: Wash with plenty of water  
 Absorbent material: Universal binder  
 Special measures: Not necessary

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**8. HANDLING AND STORAGE**

Handling: No special requirements  
 Storage: 2 - 8 °C  
 Do not store together: No restriction

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**9. PERSONAL PROTECTION EXPOSURE CONTROL**

Respiratory protection: None  
 Eye protection: Safety glasses  
 Hand protection: Disposable gloves

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**10. STABILITY AND REACTIVITY**

Hazardous decomposition products: None known if used properly  
 Avoidable conditions & substances: None

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**11. FIRE FIGHTING MEASURES**

Appropriate extinguishing agent: No restriction  
 Thermal decomposition: No danger

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**12. TOXICOLOGICAL INFORMATION**

Data not available

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**13. ECOLOGICAL INFORMATION**

Ecotoxicological information: Data not available  
 Biological degradability: Data not available  
 Biological effects: Data not available  
 Water hazard: Irrelevant

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**14. DISPOSAL CONSIDERATIONS**

Waste disposal: Dilute with water before getting into the local sewer system according to local regulations.  
 Disposal of empty packaging: As per local regulations

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**15. TRANSPORT INFORMATION**

Not subject to current regulations for transportation of hazardous goods.

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**16. OTHER INFORMATION**

This safety datasheet complies with the requirements of Regulation UE 453/2010  
 Not for use in humans or other animals

The information provided herein is believed to be correct as of the date hereof and excludes any guarantee related to the final use given to the product being the recipient the last responsible for observing the local laws applicable in each case.