



UNITECH SCIENTIFIC LLC

Standards Custom & High Level **L-Malic Acid**

SDS STD-LMA-High

SAFETY DATA SHEET (HCS - 29 CFR 1910.1200(g))

1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name /Product No.:

L-Malic Acid Standards High / STD-LMA-High

Supplier: Unitech Scientific LLC

L-Malic Acid Standards – Custom / STD-LMA-Custom

12026 Centralia Rd, Ste H

Recommended Use: Food analysis

Hawaiian Gardens, CA 90716, USA

Restrictions on Use: N/A

Information, Operations: 562 924-5150

Date of Issue: 5-2010

Information in case of Emergency: 562 924-5150

Date of Revision: 01 Jan 2016

2. HAZARD IDENTIFICATION

Based on the concentrations in the composition, this is not a hazardous product per 29 CFR 1910.1200(g)

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no

Chemical Characterization: As below

(Dangerous) Components: None in the amounts used

Designation: Sodium azide Content<0.1% Kb 1: T+ Kb 2: N Kb 3: N/A

CAS-No.: 26628-22-8 Risk reg. comp.: 28-32-50/53

4. FIRST AID MEASURES

Symptoms: No symptoms expected

Treatment If inhaled: Remove to fresh air

In case of skin contact: Flush with copious amount of water

In case of contact with eyes: Flush with copious amount of water while separating the eyelids with fingers. If irritations appear and persist, call a physician

If swallowed: Flush with copious amount of water. Call a physician

5. FIRE FIGHTING

Extinguishing media: Water, CO₂, foam, powder

6. SPILLAGE, ACCIDENTAL RELEASE

Personal precautions: Avoid swallowing; do not store together with food

Environmental precautions: Avoid release into sewers

Procedures for clean-up/absorption: Sweep up with cellulose and hold for waste disposal

7. HANDLING AND STORAGE

Handling: No special requirements

Storage: Dry. At +2°C to +10° C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold value for maintenance of industrial health and safety standards: Not Available

Application of minimum protective standards is mandatory

Personal protection: Protection wear according to national laboratory regulations are sufficient for personal safety (coat, safety goggles, shoes, disposable (latex) gloves. Wash hands after finishing work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Color: Colorless

Odor: no data available

pH: not determined

Boiling point/-range, Vapor pressure, Relative density: not determined

Flammability: not flammable

Explosive Properties: not explosive

Solubility in water: water soluble

10. STABILITY AND REACTIVITY

Avoidable conditions & substances, Dangerous decomposition products: nothing known

Further declarations: none

11. TOXICOLOGICAL INFORMATION

Toxicity data: Sodium azide (toxicological determining component)
 TDL_o (oral, men): 0.71mg/kg
 TD₅₀ (oral, rat): 27 mg/kg
 LD₅₀ (dermal, rabbit): 20 mg/kg

Further toxicological effects statement: The components in the preparation are used in such low concentrations that with proper handling and use, no toxicological effects are expected.

12. ECOLOGICAL INFORMATION

Ecotoxicological effects: Quantitative data of the ecological impact of this composition are not known

Biological degradability: Not known

Biological effects: Sodium azide: Azides are toxic for water organisms

Fish: *Lepomis macrochirus* toxic from 1.5 ppm in 24 hrs

Acute ca. toxicity for invertebrates: 5 mg/L

Acute toxicity for cold blooded animals: 1 mg/L

Referring to this data, especially the presence of sodium azide (present concentration in this product is <0.1% in standard), this component should not get into environmental waters, sewage or soil. Quantities present pose a minor hazard. In case of accidental release flush or dilute with copious amounts of water.

13. DISPOSAL CONSIDERATIONS

Product: There are no uniform regulations for disposal of chemicals. Contact a licensed professional waste disposal service for disposal of this material. Observe all federal, state and local environmental regulations.

Packaging: Dispose according to the regulations of the public authorities. Contaminated packaging has to be treated like the composition. If not otherwise regulated by public authorities, non-contaminated packaging can be treated like household waste or brought to recycling procedures.

14. TRANSPORT INFORMATION

Land transport: GGVS, GGVE, ADR, RID
 class, designation: ---

Inland ship transport: AND, ADNR
 class: ---

Ocean shipping transport: IMDG, GGVSee
 class, EmS, MFAG, designation: ---

Air transport: ICAO, IATA
 class, designation: ---

This product is not subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. REGULATORY INFORMATION

Indication following HCS directives:

Symbols, risk regulations, safety regulations: ---

Note: This product must be labeled in accordance with HCS - 29 CFR 1910.1200(g).

16. OTHER INFORMATION

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