



# UNITECH SCIENTIFIC LLC

MDH ENZYME SDS MDH

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

### 1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name:	Malate Dehydrogenase	Supplier: Unitech Scientific LLC
Product No. :	MDH	12026 Centralia Rd, Ste H
Recommended Use:	Food analysis	Hawaiian Gardens, CA 90716, USA
Restrictions on Use:	N/A	
Date of Issue:	03-2008	Information, Operations: 562 924-5150
Date of Revision:	27 Apr 2016	Information in case of Emergency: 562 924-5150

### 2. HAZARD IDENTIFICATION

Based on the concentrations in the composition, this is not a hazardous product in terms of directive 00/45/EC

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no

Chemical Characterization:	As below
(Dangerous) Components:	None in the amounts used
MDH Enzyme	Contains no risk components

### 4. FIRST AID MEASURES

Symptoms:	May induce allergic sensitization, or cause allergic reactions in sensitized individuals
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, CO<sub>2</sub>, foam, powder

### 6. SPILLAGE, ACCIDENTAL RELEASE

Personal precautions:	Avoid swallowing; do not store together with food
Environmental precautions:	Readily biodegradable. No special disposal method required.
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: 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:	opalescent solution
Color:	opalescent-white
Odor:	Ammonium sulfate suspension, characteristic odor.
pH:	between pH 6 - 8
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: Not available

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: Readily biodegradable

Biological effects: Not available

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 within the EC. 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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