

## SAFETY DATA SHEET (SDS)

VMA Standard

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** VMA Standard  
**Chemical Name:** 4-Hydroxy-3-Methoxymandelic Acid  
**Catalog Number:** 35071806  
**Part of Kits:** 35070001, 35070206  
**Use of chemical:** Laboratory chemical

**Identification of Manufacturer:**

**Manufacturer/Supplier:** Biochemical Diagnostics, Inc.  
 180 Heartland Blvd., Edgewood, NY 11717  
 Phone: (631) 595-9200 | Fax: (631) 595-9204  
**Emergency telephone number:** (800) 255-3924

### 02. Hazard(s) Identification

**Classification of substance or mixture:**

Skin irritation (Category 2)  
*Causes skin irritation*  
 Eye irritation (Category 2A)  
*Causes eye irritation.*  
 Specific target organ toxicity – single exposure (Category 3), Respiratory system

**Label elements:**

**Hazard pictograms**



Irritant

**Signal word:** Warning

**Hazard statements:**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**Precautionary statements:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash skin thoroughly after handling.  
 P271 Use in a well-ventilated area or outdoors.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P313 + P337 If skin or eye irritation occurs: Get medical advice/ attention.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 2  
 Fire = 0  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 2  
 Fire = 0  
 Reactivity = 0

## SAFETY DATA SHEET (SDS)

VMA Standard

### 03. Composition/information on ingredients

**Chemical Characterization:** Substance

**CAS No. Description:** 55-10-7

**Formula:** C<sub>9</sub>H<sub>10</sub>O<sub>5</sub>

### 04. First aid measures

**Description of first aid measures:**

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

**Ingestion:** Rinse mouth with water. Seek medical attention.

**Skin Contact:** Wash immediately with soap and water. Consult a physician

**Eye Contact:** Rinse with plenty of water, for at least 15 minutes and consult a physician.

### 05. Firefighting measures

**Extinguishing media:** Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus if necessary.

**Unusual Fire and Explosion Hazards:** Carbon oxides

### 06. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

**Environmental precautions:**

Do not let product enter drains.

**Methods and material for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel and keep in closed container for disposal.

**Waste Disposal Method:**

Dispose in accordance with state, local and federal regulations.

### 07. Handling and storage

**Handling:**

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid dust formation and aerosols.



**Conditions for safe storage, including any incompatibilities:**

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Further information about storage conditions:** Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 2-8°C.

## SAFETY DATA SHEET (SDS)

VMA Standard

08. Exposure controls/ personal protection	
<b>Exposure Controls:</b>	
<b>Control parameters:</b> <b>Components with limit values that require monitoring at the workplace:</b> Contains no substances with occupational exposure limit values.	
<b>Personal protective equipment:</b>	
<b>General protective and hygienic measures:</b> Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.	
<b>Eye Protection:</b>	 Tightly sealed goggles
<b>Skin Protection:</b> Wear impervious protective clothing, including boots, gloves, lab apron or coveralls, as appropriate, to prevent skin contact	
<b>Protection of Hands:</b>	 Protective gloves  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
<b>Respiratory Protection:</b> For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)	
<b>Ventilation:</b> Keep vapor levels as low as possible, use adequate general or local exhaust.	

Page 4/6

09. Physical and chemical properties	
<b>Appearance:</b>	
<b>Form:</b> Powder <b>Color:</b> Off-white	
<b>Odor:</b> None	
<b>pH:</b> N/A	
<b>Melting Point:</b> N/A	
<b>Boiling Point:</b> N/A	
<b>Flash Point:</b> N/A	
<b>Ignition temperature:</b> N/A	
<b>Explosion limits: Lower:</b> not available <b>Upper:</b> not available	
<b>Vapor Pressure @ 19°C:</b> not available	
<b>Specific Gravity @ 20°C (68°F):</b> N/A	
<b>Vapor Density:</b> N/A	
<b>Percent Volatile:</b> N/A	
<b>Evaporation Rate:</b> not available	
<b>Flammable Limits in air % by volume: Lel:</b> N/A <b>Uel:</b> N/A	
<b>Solubility in/ Miscibility with Water@20°C:</b> Miscible	

**SAFETY DATA SHEET (SDS)**

VMA Standard

**10. Stability and reactivity****Stability:** Stable**Incompatibility:** Strong oxidizing agents: silver salts/halogen halides/ alkali metals, metal halides/hydrogens, etc.**Conditions to Avoid:** Heat over 120°F**Hazardous Polymerization:** Will not occur**Hazardous Decomposition:** Carbon dioxide and carbon monoxide may form when heated to decomposition.**11. Toxicological information****Acute toxicity:****LD/LC50 values that are relevant for classification:**

No data available

**Potential health effects:****On the skin:** Causes skin irritation.**On the eye:** Causes serious eye irritation.**Ingestion:** no data available.**Inhalation:** May cause respiratory irritation.**Sensitization:** No sensitizing effects known.**12. Ecological information****Toxicity:** No data available.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Mobility in soil:** No data available.**Other adverse effects:** No data available.**13. Disposal considerations****Waste treatment methods****Product:**

Dispose of waste in accordance to applicable national, regional, or local regulations.

**Contaminated packaging:**

Dispose of as unused product.

**14. Transport Information**

Not dangerous goods

**SAFETY DATA SHEET (SDS)**

VMA Standard

**15. Regulatory Information****SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:**

Acute Health Hazard

**16. Other Information**

**Revision B, June 2015**

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information.*

*No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.*