Section 1. Chemical Product and Company Identification

Common Name/Trade Name: 2,3-Dihydroxybenzoic acid
Catalog Number(s): D2153
CAS#: 303-38-8
RTECS: DG8576490
TSCA: TSCA 8(b) inventory: No products were found.
CI#: Not available.
Manufacturer: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248
Commercial Name(s): Not available.
Synonym: 3-Hydroxysalicylic acid; Catecholcarboxylic acid; DHBA; o-Pyrocatechuic
Chemical Name: Benzoic acid, 2,3-dihydroxy-
Chemical Family: Not available.
Chemical Formula: C7-H6-O4
Supplier: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Section 2. Composition and Information on Ingredients

Exposure Limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) {2,3-}Dihydroxybenzoic acid</td>
<td>303-38-8</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

2,3-Dihydroxybenzoic acid:
ORAL (LD50): Acute: >3000 mg/kg [Rabbit].

Section 3. Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of ingestion, .

Potential Chronic Health Effects:
- CARCINOGENIC EFFECTS: Not available.
- MUTAGENIC EFFECTS: Not available.
- TERATOGENIC EFFECTS: Not available.
- DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Continued on Next Page
Section 4. First Aid Measures

**Eye Contact**
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact**
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact**
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation**
Not available.

**Ingestion**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion**
Not available.

Section 5. Fire and Explosion Data

**Flammability of the Product**
May be combustible at high temperature.

**Auto-Ignition Temperature**
Not available.

**Flash Points**
Not available.

**Flammable Limits**
Not available.

**Products of Combustion**
These products are carbon oxides (CO, CO2).

**Fire Hazards in Presence of Various Substances**
Slightly flammable to flammable in presence of heat.

**Explosion Hazards in Presence of Various Substances**
Risks of explosion of the product in presence of mechanical impact: Not available. 
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions**
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards**
As with most organic solids, fire is possible at elevated temperatures

**Special Remarks on Explosion Hazards**
Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6. Accidental Release Measures

**Small Spill**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill**
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Continued on Next Page
### Section 7. Handling and Storage

**Precautions**
- Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

**Storage**
- Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls**
- Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection**
- Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill**
- Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits**
- Not available.

### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Odor</th>
<th>Taste</th>
<th>Color</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Molecular Weight</th>
<th>Odor</th>
<th>Taste</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>154.13 g/mole</td>
<td>Not available.</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH (1% soln/water)</th>
<th>Odor</th>
<th>Taste</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Odor</th>
<th>Taste</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Melting Point</th>
<th>Odor</th>
<th>Taste</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>207°C (404.6°F)</td>
<td>Not available.</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity Data

**Stability**
- The product is stable.

**Instability Temperature**
- Not available.

**Conditions of Instability**
- Excess heat, incompatible materials, dust generation

**Incompatibility with various substances**
- Reactive with oxidizing agents.

**Corrosivity**
- Not available.

Continued on Next Page
### 2,3-Dihydroxybenzoic acid

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 11. Toxicological Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Routes of Entry</strong></td>
<td>Inhalation. Ingestion.</td>
</tr>
<tr>
<td><strong>Toxicity to Animals</strong></td>
<td>Acute oral toxicity (LD50): &gt;3000 mg/kg [Rabbit].</td>
</tr>
<tr>
<td><strong>Chronic Effects on Humans</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Other Toxic Effects on Humans</strong></td>
<td>Hazardous in case of skin contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of ingestion.</td>
</tr>
<tr>
<td><strong>Special Remarks on Toxicity to Animals</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Special Remarks on Chronic Effects on Humans</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Special Remarks on other Toxic Effects on Humans</strong></td>
<td>Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: Expected to be a low hazard. The toxicological properties of this material have not been fully investigated.</td>
</tr>
<tr>
<td><strong>Section 12. Ecological Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Ecotoxicity</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>BOD5 and COD</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Products of Biodegradation</strong></td>
<td>Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</td>
</tr>
<tr>
<td><strong>Toxicity of the Products of Biodegradation</strong></td>
<td>The product itself and its products of degradation are not toxic.</td>
</tr>
<tr>
<td><strong>Special Remarks on the Products of Biodegradation</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Section 13. Disposal Considerations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Waste Disposal</strong></td>
<td>Waste must be disposed of in accordance with federal, state and local environmental control regulations.</td>
</tr>
<tr>
<td><strong>Section 14. Transport Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DOT Classification</strong></td>
<td>Not a DOT controlled material (United States).</td>
</tr>
<tr>
<td><strong>Identification</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Special Provisions for Transport</strong></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Continued on Next Page**
### 2,3-Dihydroxybenzoic acid

**DOT (Pictograms)**

![DOT Pictogram](image)

### Section 15. Other Regulatory Information and Pictograms

**Federal and State Regulations**

No products were found.

**California Proposition 65 Warnings**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.

California prop. 65 : Ce produit contient les ingrédients suivants qui, selon l’État de la Californie, causeraient des malformations congénitales, ce qui nécessiterait, d'après la loi, une mise en garde :: Aucun produit n’a été trouvé.

**Other Regulations**

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS no. 206-139-5).

Japan: Listed in National Inventory (ENCS).

**Other Classifications**

**WHMIS (Canada)**

The substance has not yet been validated by the Service du répertoire toxicologique. It might be classified as CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC)**

R36/37/38- Irritating to eyes, respiratory system and skin.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36- Wear suitable protective clothing.

**HMIS (U.S.A.)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>2</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>E</td>
</tr>
</tbody>
</table>

**National Fire Protection Association (U.S.A.)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Specific hazard</td>
<td></td>
</tr>
</tbody>
</table>

**WHMIS (Canada) (Pictograms)**

![WHMIS Pictogram](image)

**DSCL (Europe) (Pictograms)**

![DSCL Pictogram](image)

**TDG (Canada) (Pictograms)**

![TDG Pictogram](image)

**ADR (Europe) (Pictograms)**

![ADR Pictogram](image)

**Protective Equipment**

Gloves.

---

*Continued on Next Page*
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Splash goggles.

Lab coat.

Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>6255D</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
</tr>
</tbody>
</table>


Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.