### 1. Product and Company Identification

**Catalog Numbers:** 39B4-0  
**Product Name**  
**Trade Name:** Dimethyl 5-sulfoisophthalate sodium salt hydrate  
**Synonyms:** -  
**Manufacturer & Distributor**  
**Company Name:** Reagent World, Inc.  
**Address:** 2048 E. Francis Street  
**City:** Ontario  
**State:** California  
**Postal Code:** 91761  
**Country:** USA  
**Business/Emergency Phone:** 909-947-7779  
**Fax:** 909-947-9595  
**URL:** http://www.ReagentWorld.com  

### 2. Hazards Identification

**Emergency Overview:** -  
**Potential Health Effects**  
- **Eye:** May cause eye irritation  
- **Skin:** May cause skin irritation  
- **Ingestion:** May cause irritation of the digestive tract  
- **Inhalation:** May cause respiratory tract irritation  
- **Chronic:** -

### 3. Composition/Information on Ingredients

**Chemical Name:** Dimethyl 5-sulfoisophthalate sodium salt hydrate  
**Molecular Formula:** C10H9NaO7S  
**Molecular Weight:** 296.23  
**Content:** 98%  
**CAS Number:** 3965-55-7  
**EINECS NO. [EC No.]:** 223-578-8

### 4. First Aid Measures

- **Eye:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
- **Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
- **Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.  
- **Inhalation:** Remove from exposure and move to fresh air immediately.

### 5. Fire Fighting Measures

**General Information:** wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.  
**Extinguishing:** use water, dry chemical, chemical foam, or alcohol-resistant foam.

### 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as listed in Section 8.  
**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

### 7. Handling and Storage

**Handling:** Refer to section 8
**Storage:**
1. Keep in a cool, dry place
2. Keep container tightly closed

**8. Exposure Controls/Personal Protection**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility.

**Personal Protective Equipment**

**Eyes:** Wear chemical safety goggles.

**Skin:** Wear appropriate protective gloves.

**Clothing:** Wear appropriate protective clothing.

**Respirators:** Wear NIOSH/MSHA - approved respirator

**9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>-</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>-</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt;300</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>-</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>-</td>
</tr>
<tr>
<td>PH</td>
<td>-</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>soluble</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>-</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>-</td>
</tr>
</tbody>
</table>

**10. Stability and Reactivity**

**Chemical Stability:** Stable under normal temperatures and pressures

**Conditions to Avoid:** Incompatible materials

**Incompatibilities with Other:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.

**Polymerization:** Has not been reported

**11. Toxicological Information**

**RTECS#:** CAS# 3965-55-7: DB5044550

**Toxicity Data [LD50/LC50]:** CAS# 3965-55-7: Draize test, rabbit, eye: 100 mg/24H Moderate.

**Carcinogenicity:** -

**Other:** See actual entry in RTECS for complete information.

**12. Ecological Information**

**Ecotoxicity:** -

**Other:** -

**13. Disposal Considerations**

**Disposal considerations:** Contact a licensed professional waste disposal service to dispose of this material in a manner consistent with federal, state and local environmental regulations

**14. Transport Information**

**Shipping Name:** -

**Hazard Class:** -

**UN Number:** -

**Packing Group:** -

**15. Regulatory Information**

**European/International Regulations:** -

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** 1.Xi

**R-Phrases:** Not available
### S-Phrases:
1. Avoid contact with skin. S24/25 Avoid contact with skin and eyes.
2. Avoid contact with eyes.

### WGK (Water Danger/Protection):
- 

### US Federal TSCA:
CAS# 3965-55-7 is listed on the TSCA inventory.

### 16. Other Information

**Other information:**
The above information is believed to be accurate but does not suppose to be all inclusive and shall be used only as a guide. Reagent World makes no warranty of merchantability or any other warranty, express or implied, with respect to such information. Users should make their own investigations to determine the accountability of the information for their purposes in particular. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential of exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

### SALES SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Purity</td>
<td>98.0% min</td>
</tr>
<tr>
<td>Water</td>
<td>0.5% max</td>
</tr>
<tr>
<td>Saponification Value</td>
<td>375 - 381 KOH mg/g</td>
</tr>
<tr>
<td>Fe</td>
<td>5ppm max</td>
</tr>
</tbody>
</table>

### TRANSPORTATION

| Packing                        | 25kgs in bag               |
| Un No.                         | Not regulated              |

### OTHER INFORMATION

Hazard Symbols: n/a Risk Phrases: n/a, Safety Phrases: 24/25-28A-37-45