Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: Ethyl 3-aminobenzoate methanesulfonate salt
Product Number: AS040
Brand: Sigma Chemical
Company: Sigma-Aldrich
Street Address: 3350 Spruce Street
City, State, Zip: SAINT LOUIS, MO 63103 US
Technical Phone: 314 771 5769
Fax: 800 325 5769
Emergency Phone: 414 273 3800 Ext. 5996

Section 2 - Composition/Information on Ingredient

Substance Name: 3-AMINOBENZOIC ACID ETHYL ESTER METHANESULFONATE
CAS #: 886-86-2
SARA 313: No
EC no: 212-956-8
Agrich Index Number: C00011103, CH1028

Section 3 - Hazards Identification

Emergency Overview: Irritant. Irritating to eyes, respiratory system and skin.
HMSIS Rating
Health: 2
Flammability: 0
Reactivity: 0
NFPA Rating
Health: 2
Flammability: 0
Reactivity: 0
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Extinguishing Media: Suitable
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Precaution(s) of Personal Protection(s): Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods for Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling: User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage: Suitable
Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.
Personal Protective Equipment: Respiratory
Government approved respirator.
Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

Sigma Chemical - AS040
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Sigma-Aldrich Corporation
www.sigma-aldrich.com
**General Hygiene Measures**
Wash thoroughly after handling.

**Section 9 - Physical/Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>291.3 AMU</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>BP/VP Range</td>
<td>N/A</td>
</tr>
<tr>
<td>MP/MP Range</td>
<td>147 °C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
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<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Saturated Vapor Conc.</td>
<td>N/A</td>
</tr>
<tr>
<td>SG/Density</td>
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</tr>
<tr>
<td>Bulk Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>Volatile%</td>
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</tr>
<tr>
<td>VOC Content</td>
<td>N/A</td>
</tr>
<tr>
<td>Water Content</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>Solvent Content</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
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<tr>
<td>Partition Coefficient</td>
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</tr>
<tr>
<td>Decomposition Temp.</td>
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</tr>
<tr>
<td>Flash Point °F</td>
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</tr>
<tr>
<td>Flash Point °C</td>
<td>N/A</td>
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<tr>
<td>Explosion Limits</td>
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<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition Temp</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>N/A</td>
</tr>
</tbody>
</table>

N/A = not available

**Section 10 - Stability and Reactivity**

**Stability**
- Stable

**Materials to Avoid**
- Strong oxidizing agents.

**Hazardous Decomposition Products**
- Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

**Section 11 - Toxicological Information**

**Route of Exposure**
- **Skin Contact**: Causes skin irritation.
- **Skin Absorption**: May be harmful if absorbed through the skin.
- **Eye Contact**: Causes eye irritation.
- **Inhalation**: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

**Ingestion**: May be harmful if swallowed.

**Signs and Symptoms of Exposure**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**RTECS Number**: DG2465000

**Toxicity Data**
- Intravenous - Mouse: 180 MG/KG (LD50)

**Section 12 - Ecological Information**
No data available.

**Section 13 - Disposal Considerations**

**Appropriate Method of Disposal of Substance or Preparation**
- Contact a licensed professional waste disposal service to dispose of this material.
- Dispose of the material in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**Section 14 - Transport Information**

**DOT**
- Proper Shipping Name: None
- Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**ATA**
- Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Section 15 - Regulatory Information**

**EU Additional Classification**
- Symbol of Danger: Xi
- Indication of Danger: Irritant.

**Risk Statements**
- R: 36/37/38
- Irritating to eyes, respiratory system and skin.

**Safety Statements**
- S: 26
  - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.