1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name: BENZALDEHYDE-2-SULPHONIC ACID SODIUM SALT

Other means of identification

Product Code: 1109100
CAS Number: 1008-72-6
Formula: C7H5NaO4S
Synonyms: Benzenesulfonic Acid, 2-Formyl-, Sodium Salt

Recommended use of the chemical and restrictions on use

Recommended Use: Dye Intermediates
Uses advised against: Repeated contact with food. Avoid prolonged contact with eyes, skin, and clothing.

Details of the supplier of the safety data sheet

Supplier Address

Emergency Telephone Number(s)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview
**Signal Word**

**Warning**

**Hazard statements**
- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation

**Precautionary Statements - Prevention**
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**
- Specific treatment (see supplemental first aid instructions on this label)
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - If eye irritation persists: Get medical advice/attention
  - IF ON SKIN: Wash with plenty of soap and water
  - If skin irritation occurs: Get medical advice/attention
  - Take off contaminated clothing and wash before reuse
  - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
  - Rinse mouth

**Precautionary Statements - Disposal**
- Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

100 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**
- Benzenesulfonic Acid, 2-Formyl-, Sodium Salt

**Formula**
- C7H5NaO4S

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>North American Hazard Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenesulfonic Acid, 2-Formyl-, Sodium Salt</td>
<td>1008-72-6</td>
<td>100</td>
<td>True</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

First Aid Measures

General Advice
Show this safety data sheet to the doctor in attendance.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.

Ingestion
Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of First-aiders
Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Main Symptoms
No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Dry powder. Foam.

Unsuitable Extinguishing Media
No information available.

Hazardous Combustion Products
Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data

Sensitivity to mechanical impact
Not available.

Sensitivity to static discharge
Not available.

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use personal protective equipment. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for Cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Use only in an area equipped with a safety shower. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Avoid repeated exposure.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Sensitive to air.

Incompatible Materials

Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
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</thead>
<tbody>
<tr>
<td>Benzaldehyde-2-Sulphonic Acid Sodium Salt 1008-72-6</td>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Tightly fitting safety goggles.

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

White to Pale Yellow Powder

Physical State

Solid

Odor

No information available

Odor Threshold

No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>
**10. STABILITY AND REACTIVITY**

**Reactivity**
Not applicable.

**Chemical Stability**
Stable under recommended storage conditions

**Conditions to Avoid**
Sensitive to air.

**Incompatible Materials**
Oxidizing agents.

**Hazardous Decomposition Products**
Carbon monoxide Carbon dioxide (CO2) Sodium oxides Sulfur oxides

**Possibility of Hazardous Reactions**
None under normal processing

**11. TOXICOLOGICAL INFORMATION**

**Product Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
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<tbody>
<tr>
<td>Benzaldehyde-2-Sulphonic Acid Sodium Salt</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

| ATEmix (oral) | 500 mg/kg |

**Information on likely routes of exposure**

**Eyes**
Irritating to eyes. May cause chemical conjunctivitis. Avoid contact with eyes.
**Skin**
Irritating to skin. Avoid contact with skin.

**Inhalation**
Irritating to mucous membranes. Irritating to respiratory system. Can produce delayed pulmonary edema.

**Ingestion**
May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**
There is no known ecological information for this product.

100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

- **Persistence / Degradability**
  No information available.
- **Bioaccumulation / Accumulation**
  No information available.
- **Mobility in Soil**
  No information available.
### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>IATA</td>
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<td>IMDG/IMO</td>
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<td>RID</td>
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<td>ADR</td>
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<td>ADN</td>
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### 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>U.S.A. (TSCA)</th>
<th>Canada (DSL)</th>
<th>EU (EINECS)</th>
<th>EU (ELINCS)</th>
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<tbody>
<tr>
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<th>EU (ELINCS)</th>
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</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Japan (ENCS)</th>
<th>China</th>
<th>Korea (KECL)</th>
<th>Philippines (PICCS)</th>
<th>Australia (AICS)</th>
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</thead>
<tbody>
<tr>
<td>Benzaldehyde-2-Sulphonic Acid Sodium Salt</td>
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<td>Present</td>
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<td>-</td>
<td>Present</td>
</tr>
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</table>

**Federal Regulations**
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
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</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

State Right-to-Know
This product does not contain any State Right-to-Know chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Canada

WHMIS Statement
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
16. OTHER INFORMATION

Health: 1  Flammability: 1  Instability: 0  Physical Hazard: 0

Preparation Date: 01-Oct-2013
Revision Date: 01-Oct-2013
Revision Summary: Not available

Disclaimer:
This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

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