MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt
CHEMICALS

J.T. Baker

PHLOROGLUCINOL DIHYDRATE

1. Product Identification

Synonyms: 1,3,5-Benzeneetriol; benzene-s-triol
CAS No.: 108-73-6 (Anhydrous)
Molecular Weight: 162.14
Chemical Formula: C₆H₆O₃ . 2H₂O
Product Codes:
J.T. Baker: U024
Mallinckrodt: 1923

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Percent</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phloroglucinol</td>
<td>108-73-6</td>
<td>90 - 100%</td>
<td>Yes</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

http://www.jtbaker.com/msds/englishhtml/P3863.htm

12/16/02
PHLOROGLUCINOL DIHYDRATE

J.T. Baker SAF-T-DATA™ Ratings (Provided here for your convenience)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Rating</td>
<td>1 - Slight</td>
<td></td>
</tr>
<tr>
<td>Flammability Rating</td>
<td>1 - Slight</td>
<td></td>
</tr>
<tr>
<td>Reactivity Rating</td>
<td>1 - Slight</td>
<td></td>
</tr>
<tr>
<td>Contact Rating</td>
<td>1 - Slight</td>
<td></td>
</tr>
<tr>
<td>Lab Protective Equip</td>
<td>Goggles; Lab Coat</td>
<td></td>
</tr>
<tr>
<td>Storage Color Code</td>
<td>Orange</td>
<td>General Storage</td>
</tr>
</tbody>
</table>

Potential Health Effects

Information on the human health effects from exposure to this substance is limited.

**Inhalation:**
Excessive inhalation of dust may be irritating to the respiratory tract.

**Ingestion:**
No information found, but compound should be handled as a potential health hazard.

**Skin Contact:**
Causes irritation to skin. Symptoms include redness, itching, and pain.

**Eye Contact:**
Causes irritation, redness, and pain.

**Chronic Exposure:**
No information found.

**Aggravation of Pre-existing Conditions:**
No information found.

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4. First Aid Measures

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

**Ingestion:**
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin Contact:**
Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:**
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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5. Fire Fighting Measures

**Fire:**
As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

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

**Fire Extinguishing Media:**
Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Special Information:**
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.
6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Refrigerate. Protect from light. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

**Airborne Exposure Limits:**
None established.

**Ventilation System:**
A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**
For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:**
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Eye Protection:**
Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

**Appearance:**
White to yellow crystals or powder.

**Odor:**
Odorless.

**Solubility:**
Soluble in 100 parts water.

**Specific Gravity:**
No information found.

**pH:**
No information found.

**% Volatiles by volume @ 21C (70F):**
0

**Boiling Point:**
No information found.

**Melting Point:**
218 - 221C (424 - 430F)

**Vapor Density (Air=1):**
4.3

**Vapor Pressure (mm Hg):**
No information found.

**Evaporation Rate (BuAc=1):**
No information found.

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### 10. Stability and Reactivity

**Stability:**
Stable under ordinary conditions of use and storage. Discolors in light. Sublimes with decomposition.

**Hazardous Decomposition Products:**
Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.

**Hazardous Polymerization:**
Will not occur.

**Incompatibilities:**
Strong oxidizers.

**Conditions to Avoid:**
Heat, flame, sources of ignition, light and incompatibles.

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### 11. Toxicological Information

For Anhydrous Phloroglucinol: Oral rat LD50: 4 g/kg. Investigated as a mutagen, reproductive effector.

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<table>
<thead>
<tr>
<th>Ingredient</th>
<th>-NTP Carcinogen---</th>
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<tbody>
<tr>
<td>Phloroglucinol (108-73-6)</td>
<td>No</td>
</tr>
</tbody>
</table>

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### 12. Ecological Information

**Environmental Fate:**
No information found.

**Environmental Toxicity:**
No information found.
13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
<th>Japan</th>
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<td>Yes</td>
<td>Yes</td>
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<table>
<thead>
<tr>
<th>Ingredient</th>
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<th>SARA 313</th>
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<tbody>
<tr>
<td>Phloroglucinol (108-73-6)</td>
<td>EQ</td>
<td>TPQ</td>
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<thead>
<tr>
<th>Ingredient</th>
<th>RCRA</th>
<th>TSCA</th>
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<tr>
<td>Phloroglucinol (108-73-6)</td>
<td>261.33</td>
<td>8(d)</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No  TSCA 12(b): No  CDTA: No
SARA 311/312: Acute: Yes  Chronic: No  Fire: No  Pressure: No
Reactivity: No  (Mixture / Solid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1  Flammability: 1  Reactivity: 1
Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Label Precautions:
Avoid contact with eyes, skin and clothing.
Avoid breathing dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.

Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 8.

Disclaimer:
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