**IDENTIFICATION**

**MSDS Record Number:** 5618165  
**Product Name(s):** METHYL p-HYDROXYBENZOATE  
**Product Identification:** MSDS NUMBER: M5239  
PRODUCT CODE: Q618, 5892  
C.A.S. NUMBER: 99-76-3  
**Date of MSDS:** 2005-12-19  
**Currency Note:** This MSDS was acquired from the supplier on 2007-09-06.

**MANUFACTURER/SUPPLIER INFORMATION**

**Company:** MALLINCKRODT BAKER INC

**MATERIAL SAFETY DATA**

**Effective Date:** 12/19/05  
**Supercedes:** 08/10/04

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**MATERIAL SAFETY DATA SHEET**  
**CHEMTREC:** 800-424-9300 (USA)  
703-527-3887 (Outside USA & CANADA)  
**CANUTEC:** 613-996-6666  

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

**Emergency Telephone Number:** 908-859-2151

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**NOTE:** Use CHEMTREC and CANUTEC phone numbers only in the event of a chemical emergency.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

**M A L L I N C K R O D T**  
**J. T. B A K E R**

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**METHYL p-HYDROXYBENZOATE**

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1. **Product Identification**

**Synonyms:** Benzoic acid, p-hydroxy-, methyl ester; Methylparaben  
**CAS No.:** 99-76-3  
**Molecular Weight:** 152.16  
**Chemical Formula:** C8H8O3  
**Product Codes:** J.T. Baker:
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>Methyl Paraben</td>
<td>99-76-3</td>
<td>90 - 100%</td>
<td>Yes</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Emergency Overview
As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA (tm) Ratings (Provided here for your convenience)

<table>
<thead>
<tr>
<th>Health Rating</th>
<th>1 - Slight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability Rating</td>
<td>1 - Slight</td>
</tr>
<tr>
<td>Reactivity Rating</td>
<td>0 - None</td>
</tr>
<tr>
<td>Contact Rating</td>
<td>2 - Moderate</td>
</tr>
<tr>
<td>Lab Protective Equip:</td>
<td>GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES</td>
</tr>
<tr>
<td>Storage Color Code:</td>
<td>Green (General Storage)</td>
</tr>
</tbody>
</table>

Potential Health Effects

Inhalation:
High concentrations of dust may cause sore throat, coughing and difficult breathing.

Ingestion:
Large doses may produce gastric upset.

Skin Contact:
May cause irritation. Paraben sensitization may occur especially when substance is applied to broken or damaged skin.

Eye Contact:
May cause irritation, redness and pain.

Chronic Exposure:
No information found.

Aggravation of Pre-existing Conditions:
No information found.

4. First Aid Measures

Inhalation:
Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:
Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.
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:
Dry chemical, foam or carbon dioxide.

Special Information:
Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. 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:
In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

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 protective gloves and clean body-covering clothing.

Eye Protection:
Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

**Appearance:**
White powder.

**Boiling Point:**
270 - 280°C (518 - 536°F)

**Odor:**
Odorless.

**Melting Point:**
131°C (268°F)

**Solubility:**
Slightly soluble in water; very soluble in alcohol.

**Vapor Density (Air=1):**
No information found.

**Specific Gravity:**
1.36

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

**pH:**
No information found.

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

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

10. Stability and Reactivity

**Stability:**
Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**
Carbon dioxide and carbon monoxide may form when heated to decomposition.

**Hazardous Polymerization:**
Will not occur.

**Incompatibilities:**
Strong oxidizers.

**Conditions to Avoid:**
Heat, flames, ignition sources and incompatibles.

11. Toxicological Information

**Oral rat LD50:** 2100 mg/kg; investigated as a mutagen.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>---NTP Known</th>
<th>Carcinogen---</th>
<th>---NTP Anticipated</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Paraben (99-76-3)</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

4 of 6
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

\[\text{Chemical Inventory Status - Part 1}\]

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
<th>Japan</th>
<th>Australia</th>
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</thead>
<tbody>
<tr>
<td>Methyl Paraben (99-76-3)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

\[\text{Chemical Inventory Status - Part 2}\]

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Korea</th>
<th>DSL</th>
<th>NDSL</th>
<th>Phil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Paraben (99-76-3)</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

\[\text{Federal, State & International Regulations - Part 1}\]

- SARA 302 -
- SARA 313 -

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>RCRA</th>
<th>TPQ</th>
<th>List</th>
<th>Chemical Catg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Paraben (99-76-3)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

\[\text{Federal, State & International Regulations - Part 2}\]

- CERCLA -
- TSCA - 261.33
- TSCA - 8(d)

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

Australian Hazchem Code: None allocated.
Australian 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: 0

Label Hazard Warning:
As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:
None.

Label First Aid:
Not applicable.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3, 11.

Disclaimer:
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M5239

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