1. Product Identification

Product Code: 6809
Product Description: Potassium Iodide Crystals

Manufactured By: LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Hazard</th>
<th>CAS#/Name</th>
<th>%</th>
<th>PEL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>7681-11-0</td>
<td>100</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td></td>
<td>Potassium Iodide</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation
May be harmful if swallowed. May irritate eyes, skin, respiratory tract.

HMIS Hazard
Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least
Health: 2  Flammability: 0  Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:
Potassium iodide investigated as a mutagen, reproductive effector in tests on lab animals.
4. First Aid Measures

Eye Contact:  Flush with water for 15 minutes.

Skin Contact:  Flush thoroughly with water. Wash with soap and water.

Ingestion:  Drink several glasses of water. Consult physician.

Inhalation:  Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used):  N/A  LEL:  N/A  UEL:  N/A

Extinguishing Media:  Not a fire hazard

Special Fire Fighting Procedures:  N/A

Unusual Fire & Explosion Hazard:  Emits toxic fumes (iodine) under fire conditions

6. Accidental Release Measures

Avoid inhalation of dust. Sweep up and flush down drain with excess water.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.
8. Exposure Controls/Personal Protection

**Ventilation**

Normal

**Protection When Handling**

Gloves  Eye Protection  Lab Coat

**Work/Hygienic Practices:**  Do not breathe dust. Wash after handling.

9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White Granular solid</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>6 (0.1g in 10mL water)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>1 mm Hg@ 745C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>1330 deg C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>680 deg C</td>
</tr>
</tbody>
</table>

10. Stability & Reactivity

**Stable:**  Yes

**Conditions To Avoid:**  Heat, light, moisture

**Incompatibility (Materials To Avoid):**  Strong acids, metallic salts

**Hazardous Decomposition Products:**  Haz. combustion products - hydrogen iodide.

11. Toxicological Information

**oral mouse LDLo:** 1862 mg/kg

**Target Organs:**  Skin  Thyroid

**Pre-Existing Conditions Aggravated By Exposure:**  Allergy to iodine. KI may start response
12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Dissolve in water and flush down drain with excess water.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Hazard</th>
<th>TSCA</th>
<th>EC</th>
<th>DSL</th>
<th>NDSL</th>
<th>Australia</th>
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<tbody>
<tr>
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Federal, State, & International Regulations

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<th>Ingredient</th>
<th>RQ</th>
<th>TPQ</th>
<th>Listed</th>
<th>Chemical Category</th>
<th>CERCLA</th>
<th>RCRA 261.33</th>
<th>TSCA 8(D)</th>
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<tbody>
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<td>No</td>
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</tbody>
</table>

Potassium Iodide Crystals
# Potassium Iodide Crystals

**Product Code:** 6809  
**Product Description:** Potassium Iodide Crystals

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactivity</th>
<th>Hazchem Code</th>
<th>Poison Schedule</th>
<th>This MSDS Is WHMIS Compliant</th>
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</thead>
<tbody>
<tr>
<td>7681-11-0 Potassium</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>No</td>
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<tr>
<td>product 6809 as a</td>
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<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>Yes</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

## 16. Other Information

Keep in tightly closed container, away from air & moisture.

**Prepared By:** DMH, Regulatory Affairs Department  
**Revised:** 1/27/2009