1. Identification of the substance/preparation and of the company/undertaking

<table>
<thead>
<tr>
<th>Product name</th>
<th>Catalog #</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uric Acid</td>
<td>666777</td>
<td>Calbiochem-Novabiochem Corp. 10394 Pacific Center Court San Diego, CA 92121 (858)450-5558/(800)854-3417 FAX: (858)453-3552</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical formula</th>
<th>Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \text{C}_5\text{H}_4\text{N}_4\text{O}_3 )</td>
<td>Call Chemtrec® (800)424-9300 (within U.S.A.) (703)527-3887 (outside U.S.A.)</td>
</tr>
</tbody>
</table>

2. Composition / information on ingredients

<table>
<thead>
<tr>
<th>Substance/Preparation</th>
<th>CAS No.</th>
<th>EC Number</th>
<th>Symbol</th>
<th>R-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>69-93-2</td>
<td>Not available.</td>
<td>Xi</td>
<td>R36/37/38</td>
</tr>
</tbody>
</table>

3. Hazards identification

<table>
<thead>
<tr>
<th>Physical/chemical hazards</th>
<th>Human health hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
<td>Irritating to eyes, respiratory system and skin.</td>
</tr>
</tbody>
</table>

4. First-aid measures

**First-Aid measures**

**Inhalation**

- If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion**

- Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact**

- In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Eye Contact**

- Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water must be used. WARM water MUST be used. Get medical attention.

**Effects and symptoms**

**Inhalation**

- Hazardous in case of inhalation (lung irritant).

**Skin Contact**

- Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Eye Contact**

- Hazardous in case of eye contact (irritant).

**Aggravating conditions**

- Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

**Extinguishing Media**

**Suitable**

- SMALL FIRE: Use DRY chemical powder.
- LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Hazardous thermal (de)composition products**

- These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

**Special fire-fighting procedures**

- Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**Protection of fire-fighters**

- Be sure to use an approved/certified respirator or equivalent.
6. Accidental release measures

Personal precautions: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental Precautions and Clean-up Methods: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 20°C (68°F).

Packaging materials: Use original container.

Recommended use: Use original container.

8. Exposure controls/personal protection

Engineering measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Uric Acid</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Physical state: Solid.
Color: White.
Melting Point: >300°C (572°F)
Density: Not available.
Solubility: Very slightly soluble in cold water.
Flash point: Not available.

10. Stability and reactivity

Stability: The product is stable.
Materials to avoid: Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

11. Toxicological information

RTECS #: YU7050080

Local effects
Skin irritation: Hazardous in case of skin contact (irritant).

Acute toxicity
LD50: Not available.
LC50: Not available.

Chronic toxicity: Repeated or prolonged exposure is not known to aggravate medical condition.
12. Ecological information

Ecotoxicity : Not available.

13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

International transport regulations

Land - Road/Railway

ADR/RID Class : Not controlled under ADR (Europe).

Sea

IMDG Class : Not controlled under IMDG.

Air

IATA-DGR Class : Not controlled under IATA.

15. Regulatory information

EU Regulations

Hazard symbol(s) :

Classification : Irritant

Risk Phrases : R36/37/38- Irritating to eyes, respiratory system and skin.

Safety Phrases : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36- Wear suitable protective clothing.

16. Other information

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Catalog # 666777

Date of issue 1/21/2002.