## SECTION I NAME

**Product**
Fuchsin Acid, C.I. No. 42685

**Chemical Synonyms**
Acid Fuchsin, Acid Violet 19

**Formula**
C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>Na<sub>2</sub>O<sub>9</sub>S<sub>3</sub>

**Unit Size**
up to 1 Kg.

**C.A.S. No.**
3244-88-0

## SECTION II INGREDIENTS OF MIXTURES

<table>
<thead>
<tr>
<th>Principal Component(s)</th>
<th>% by Volume</th>
<th>TLV Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuchsin acid, biological stain</td>
<td>100%</td>
<td>None established.</td>
</tr>
</tbody>
</table>

**WARNING! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.**

## SECTION III PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (°F)</td>
<td>Unknown.</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>Decomposes.</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Negligible.</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Unknown.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>14 grams per 100 mL.</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Green crystals or crystalline powder; no odor.</td>
</tr>
</tbody>
</table>

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>Non-volatile solid.</td>
</tr>
<tr>
<td>Extinguisher Media</td>
<td>Carbon dioxide (CO&lt;sub&gt;2&lt;/sub); dry chemical; water spray.</td>
</tr>
</tbody>
</table>

**SPECIAL FIREFIGHTING PROCEDURES**

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing. Use flooding amounts of water in early stages of fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

## SECTION V HEALTH HAZARD DATA

**Threshold Limited Value**
None established.

**Effects of Overexposure**
May be harmful by inhalation, ingestion or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Target organs: Skin, eyes.

**Emergency and First Aid Procedures**

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Unstable</td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid)</td>
<td>Strong oxidizers.</td>
</tr>
</tbody>
</table>

**Hazardous Decomposition Products**
When heated to decomposition, emits toxic fumes of oxides of nitrogen and sulfur.

**Hazardous Polymerization**

May Occur | Will Not Occur | Conditions to Avoid | Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Vacuum or sweep material into an appropriately marked container for reclamation or disposal. Wash with soap and water.

**Waste Disposal Method**
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Disposal of in an approved incinerator equipped with an afterburner and scrubber or dispose of in an approved chemical landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)**
None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

**Ventilation**
Local Exhaust Recommended. Special No. Mechanical (General) Recommended. Other No.

**Protective Gloves**
Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment**
Smock, apron, eye wash station, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**
Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling. Protect from light.

**Other Precautions**
Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

**Remove and wash contaminated clothing.**

## SECTION X SPECIAL PRECAUTIONS

Revision No. 6 | Date: 01/10/07 | Approved: James A. Bertsch | Chemical Safety Coordinator: JAB

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.