Section 4 - Reactivity Hazard Data

Unusual Fire and Explosion Hazards:

Vapors:

Exposure Heat May Cause Reaction of Sulfur Dioxide

Heat, Chemical Change: Exothermic

Flammable Limits: (Lower) N/A

Use Appropriate Agent for Surrounding the Life

Flash Point (Method Used): N/A

Section 2 - Physical and Chemical Properties

Cheer: Slight Yellow Liquid: Odorless

Appearance and Odor: G-Light (H2O)

Evaporation Rate: 1.420

Specific Gravity: (H2O)=1

Vapor Density: (Air)=1

Vapor Pressure (mm Hg): 0

Boiling Point: 214°F

PH @ 20°C: 12.7

Section 2 - Physical and Chemical Properties

NPP Release Criteria: Health=0.38, Toxic=1, Reactive=0

Chemical Subject to the Reporting Requirements of Section 313 of TSCA or TSCA Section 80.1

Primary Hazardous Components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Chemical Name &amp; Common Name</th>
<th>CAS Number</th>
<th>% (v/v)</th>
<th>Pel</th>
<th>TLV</th>
<th>H</th>
<th>OSHA</th>
<th>ACGI</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2SO4</td>
<td>Hydrochloric Acid</td>
<td>7664-93-9</td>
<td>2</td>
<td>1.6</td>
<td>1.6</td>
<td>1-5</td>
<td>129-39-1</td>
<td>1.9</td>
</tr>
<tr>
<td>775-82-7</td>
<td>Sodium Sulfite</td>
<td>1000-60-8</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>772-19-5</td>
<td>Water</td>
<td>7732-18-5</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 1 - Material Identification and Information

Prepared By:

Date Prepared:

Trade Name & Synonym:

DOT Hazard Classification:

Emergency Phone Number:

Contact Address:

Material Safety Data Sheet

INSTA-NEG DEVELOPER

4/29/2002

ACR-165

Standard 29 CFR 1910.1200 and OSHA Form 174
Section 4 - Precautions for Safe Handling and Use

Store in a cool, dry, well-ventilated area away from food, drink, and tobacco. Follow local and regional regulations for the safe handling of chemical spill kits. In case of spills, flush away with large amounts of water or use a commercially available chemical spill kit. Provide眼睛、皮肤及呼吸道防护

Section 3 - Personal Protective Equipment

Wear respiratory protection when additional ventilation conditions exist.

Section 2 - Precautions for Safe Handling and Use

Wear rubber gloves when handling the product in its concentration. Wash immediately with large amounts of water and induce vomiting if swallowed and the person is conscious.

Section 1 - Physical and Chemical Properties

Flush with water for 15 minutes, including under the eyelids.

Inhalation: None detected. Prevent skin contact.

Ingestion: None detected. Prevent skin contact.

Section 6 - Contingency Measures

Minor Injuries: First Aid Procedures

Section 5 - Health Hazard Data

Eye Contact: Provide first aid procedures for minor injuries.
**INSTA-NEC/INSTA-FIX**

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**Procedure**

1. Pre-Soak film for 5 seconds prior to developing. To ensure emulsion "goes with" previous frame.
3. Fixing: Agitate film in two seconds - 2 seconds before fixing. (6 - 10 seconds is normal)
4. Rinse: Rinse film in two seconds.
5. Drying: Dry film in 1 second.

---

**X-Ray Processing Chart**

<table>
<thead>
<tr>
<th>Time (seconds)</th>
<th>Fix</th>
<th>Develop</th>
<th>Rinse</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>60</td>
<td>20</td>
<td>9</td>
</tr>
<tr>
<td>9</td>
<td>45</td>
<td>20</td>
<td>9</td>
</tr>
<tr>
<td>12</td>
<td>30</td>
<td>20</td>
<td>9</td>
</tr>
<tr>
<td>16</td>
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<td>20</td>
<td>9</td>
</tr>
<tr>
<td>23</td>
<td>60</td>
<td>16</td>
<td>9</td>
</tr>
<tr>
<td>30</td>
<td>60</td>
<td>16</td>
<td>9</td>
</tr>
</tbody>
</table>

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**Note:**

1. Always check time before proceeding to ensure correct exposure.
2. Remember: INSTA chemicals have up to 60% Extraoral Time.
3. “One Shot” film: If extraoral time exceeds 60%, increase 50% for extraoral time.

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**CAUTION:**

- DON'T BE CAUGHT SHORT
- IN HERE

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**ORDER FORMS**

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**INSTA-X-RAY**

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**INFORMATION FOR DENTISTRY**

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**MICROCOPY**

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