1. **PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>End Run Print Brightening Converter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>N/A</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Mixture</td>
</tr>
<tr>
<td>Common Name</td>
<td>N/A</td>
</tr>
<tr>
<td>Product Use</td>
<td>Optical brightener</td>
</tr>
</tbody>
</table>

**MANUFACTURER**

Sprint Systems of Photography, Inc.
100 Dexter Street
Pawtucket, R.I. 02860
800 356-5073

**EMERGENCY TELEPHONE NUMBER**

ChemTel: 1-800-255-3924

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2. **COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>EXPOSURE CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightening agent</td>
<td>Proprietary</td>
<td>OSHA PEL</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>N/E</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>N/E</td>
</tr>
</tbody>
</table>

See Section 15 for OSHA Regulatory Status.

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3. **HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Luminous yellow-green liquid with no odor.

In case of fire use foam, carbon dioxide (CO₂), or dry chemical.

Not expected to have any adverse effects upon human health or the environment.

**POTENTIAL HEALTH EFFECTS**

**PRIMARY ROUTE(S) OF ENTRY**

Eye and skin contact.

**SYMPTOMS OF EXPOSURE**

- **Skin Contact**: None expected.
- **Inhalation**: None expected.
- **Eye Contact**: None expected.
- **Ingestion**: None expected.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None known.

**REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN**

- Not Applicable
- OSHA Suspect Carcinogen
- National Toxicology Program (NTP)
- International Agency for Research on Cancer (IARC)

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4. **FIRST AID MEASURES**

**Skin contact**: Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.

**Eye contact**: Rinse eyes with water. Remove any contact lenses, and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops and persists.

**Inhalation**: Remove from area to fresh air. Seek medical attention if irritation develops and persists.
attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

### 5. FIRE FIGHTING MEASURES

Flash Point and Method ............ >200 °F

**GENERAL HAZARD**

Fire or excessive heat may produce hazardous decomposition products.

**EXTINGUISHING MEDIA**

In case of fire use foam, carbon dioxide (CO₂), or dry chemical.

### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective equipment (See Section 8).

Absorb in kitty litter, dry sand or earth and place into containers for disposal. Small spills may be flushed in sewers with plenty of water.

### 7. HANDLING AND STORAGE

**HANDLING**

Wear appropriate protective equipment (See Section 8).

**STORAGE**

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS**

Use general ventilation.

**PERSONAL PROTECTION**

Respirator: None required for intended use.

Eye Protection: Wear approved safety glasses.

Gloves: Neoprene.

Clothing: Wear long-sleeved clothing. Use rubber apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Luminous yellow-green</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Melting Point °F</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point °F</td>
<td>~212</td>
</tr>
<tr>
<td>Specific Gravity @ 25 °F</td>
<td>1.05</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>N/D</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/D</td>
</tr>
<tr>
<td>pH</td>
<td>6.5</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**REACTIVITY**

Stable.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon monoxide, carbon dioxide, nitrogen oxide, and other toxic compounds.

**INCOMPATIBILITIES**

Strong oxidizing agents, strong acids, and strong bases.

**CONDITIONS TO AVOID**

Excessive heat.
11. **TOXICOLOGICAL INFORMATION**

The product is not a skin irritant. The primary dermal irritation score was 0.13 following a 4-hour occluded dermal exposure in a modified FHSA/CPSC Design, 16 CFR 1500.

For brightening agent:
- Oral LD_{50} (rat): 11,320 mg/kg
- Dermal LD_{50} (rabbit): >2 gm/kg
- Eye irritation: Not an irritant
- Skin irritation: Not an irritant

For sodium chloride:
- Inhalation LC_{50} (rat): >42 gm/m$^3$/hr.
- Oral LD_{50} (rat): 3 gm/kg
- Oral LD_{50} (mouse): 4 gm/kg
- Dermal LD_{50} (rabbit): >10gm/kg

12. **ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION

For brightening agent:
- 96 hr LC_{50} (rainbow trout): >1,000 ppm
- IC_{50} (aerobic waste water bacteria): > 300 ppm

ENVIRONMENTAL MOVEMENT AND PARTITIONING

Not known.

ENVIRONMENTAL FATE

Not known.

13. **DISPOSAL CONSIDERATIONS**


14. **TRANSPORT INFORMATION**

DOT Proper Shipping Name ................. Not regulated.

15. **REGULATORY INFORMATION**

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)
- Hazardous ✓ Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117, 302)
N/A

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)
N/A

SARA HAZARD CATEGORIES (40 CFR 370)
- Acute ✓ Chronic ✓ Fire
- Pressure ✓ Reactive ✓ None

SARA TOXIC CHEMICALS (40 CFR 372)
N/A

TSCA CHEMICAL SPECIFIC RULES
N/A

INVENTORY STATUS

All ingredients of this product are on the TSCA Inventory.

16. **OTHER INFORMATION**

NFPA RATING
- Health 1
- Fire 1
- Reactivity 0

ABBREVIATIONS
- C - Ceiling limit
- N/A - Not applicable
- N/D - Not determined
- N/E - Not established