1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION

Product Name .................. End Run Wetting Agent & Stabilizer
Catalog Number ................. N/A
Chemical Name .................. Mixture
Common Name ................. N/A
Product Use .................. Emulsion stabilizer; protect against static charge.

MANUFACTURER

Sprint Systems of Photography, Inc.
1057 Chopmist Hill Road
Scituate, RI 02857
800 356-5073

EMERGENCY TELEPHONE NUMBER

ChemTel (1-800-255-3924)

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>Polyether</td>
<td>Proprietary</td>
<td>OSHA PEL: N/E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV: N/E</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>400 ppm TWA</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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

For product as sold: (CO₂), or dry chemical.

Clear liquid with a rubbing alcohol odor.

Warning! Flammable liquid and vapor. Causes eye irritation. May cause irritation to skin, eyes, and respiratory tract. Overexposure to isopropanol vapors may cause central nervous system depression.

In case of fire use water fog, “alcohol” foam, carbon dioxide

For diluted product as used:

Clear liquid with a slight alcohol odor.

May cause eye and skin irritation.

May flash, but will not sustain combustion.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY

Inhalation (breathing), eye and skin contact.

SYMPTOMS OF EXPOSURE

For product as sold:

Skin Contact: Repeated or prolonged skin contact may cause dryness, reddening, itching and inflammation. May cause skin irritation and sensitization.

Eye Contact: Direct contact causes severe irritation and pain.

Inhalation: May irritate the respiratory tract and mucous membranes. Overexposure to isopropanol vapors may cause central nervous system depression; symptoms include headache, dizziness, nausea, vomiting. Severe overexposure can cause unconsciousness or death.

Ingestion: May cause digestive tract irritation and symptoms similar to those listed for inhalation.

For diluted product as used:

May cause mild eye and skin irritation. May cause skin sensitization.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons sensitized to isopropyl alcohol are at risk.
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: Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Get immediate medical attention.

Inhalation: Remove from area to fresh air. Seek medical 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.

NOTE TO PHYSICIAN

Symptomatic and supportive treatment is generally all that is needed. Metabolism of isopropanol forms acetone which may be detected in the serum and urine. Determine the isopropanol concentration in the serum and monitor for acidosis and hypoglycemia. Gastric lavage may be effective if performed soon after oral ingestion, in patients who are comatose, or patients at the risk of convulsing.

5. FIRE FIGHTING MEASURES

Flash Point and Method .............. 80°F (closed cup) - as sold. (CO₂), or dry chemical.

GENERAL HAZARD

Fire or excessive heat may produce hazardous decomposition products.

EXTINGUISHING MEDIA

In case of fire use water fog, “alcohol” foam, carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

For product as sold:

Wear appropriate protective equipment (See Section 8).

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate area of leak or spill. Absorb with kitty litter, sand or earth package in a suitable container for disposal. Use a plastic broom and shovel when collecting spilled material.

For product as used:

May be flushed into sewer.

7. HANDLING AND STORAGE

HANDLING

Wear appropriate protective equipment (See Section 8). Keep away from heat, sparks and open flame.

STORAGE

Keep away from heat, sparks and open flame. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use local and/or general exhaust to reduce air contamination to permissible exposure level.

PERSONAL PROTECTION

Respirator: In conditions where high concentrations of vapors are present or exposure limits are exceeded, wear a
respirator that has been selected by technically qualified person for the specific work conditions.

**Eye Protection:** Wear approved safety goggles.

**Gloves:** Neoprene.

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

**Other:** Eye wash; safety shower.

### 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>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Pungent</td>
</tr>
<tr>
<td>Melting Point °F</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point °F</td>
<td>147</td>
</tr>
<tr>
<td>Specific Gravity @ 25 °F</td>
<td>0.95</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>28 mm (Calculated)</td>
</tr>
<tr>
<td>pH</td>
<td>6.7</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Solubility in other liquids</td>
<td>N/E</td>
</tr>
</tbody>
</table>

### STABILITY AND REACTIVITY

**REACTIVITY**

Stable

**HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon dioxide; carbon monoxide.

**INCOMPATIBILITIES**

Strong oxidizers.

**CONDITIONS TO AVOID**

Spark, flame, heat, aluminum containers above 120 °F

### TOXICOLOGICAL INFORMATION

The product is not a skin irritant. The primary dermal irritation score was 0.92 following a 4-hour ocluded dermal exposure in a modified FHSA/CPSC Design, 16 CFR 1500.

**For Isopropyl alcohol:**

Inhalation LC₅₀ (rat): 1,600 ppm/8 hr
Oral LD₅₀ (rat): 5,045 mg/kg
Oral LD₅₀ (mouse): 3,600 mg/kg
Dermal LD₅₀ (rabbit): 12,800 mg/kg

### ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION**

**For Isopropyl alcohol:**

96 hr LC₅₀ (fathead minnow; 29 days old): 94,900-10,400 mg/L. Cond: Flow-through, 24.4-24.6 °C, pH 7.09, 52.5 mg/L CaCO₃
96 hr LC₅₀ (fathead minnow; 31 days old): 61,200-65,500 mg/L. Cond: Flow-through, 24.6 °C, pH 7.87, 44 CaCO₃
5 min EC₅₀ (Photobacterium phosphoreum): 35,390 mg/L Microtox test.

**ENVIRONMENTAL MOVEMENT AND PARTITIONING**

Not known.

**ENVIRONMENTAL FATE**

Not known.

### DISPOSAL CONSIDERATIONS

**For product as sold:**

RCRA Waste Code: . . . . . . . . . . . . . . . . . . D001.

**For product as used:**

RCRA Waste Code: . . . . . . . . . . . . . . . . . . Not regulated.
14. **TRANSPORT INFORMATION**

For 1 L containers:

- DOT Proper Shipping Name: . . . . Consumer commodity
- DOT Hazard Class . . . . . . . . . . . . ORM-D
- DOT I.D. Number . . . . . . . . . . . . N/A
- Packing Group . . . . . . . . . . . . . . N/A
- Marking . . . . . . . . . . . . . . ORM-D
- NAERG Guide No. . . . . . . . . . . . N/A

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

**STATE REGULATIONS**

- California Proposition 65 . . . . . Warning! This product contains formaldehyde a chemical known to the State of California to cause cancer.
- Florida Hazardous Substance List . . . Isopropyl alcohol
- Massachusetts Right To Know List . . . Isopropyl alcohol
- Minnesota Hazardous Substance List . Isopropyl alcohol
- New Jersey Right To Know List . . . . Isopropyl alcohol

16. **OTHER INFORMATION**

**NFPA RATING**

- Health 2
- Fire 3
- Reactivity 1

**ABBREVIATIONS**

- C - Ceiling limit
- N/A - Not applicable
- N/D - Not determined
- N/E - Not established
- N/K - Not known
- NAERG - North American Emergency Response Guidebook
- RQ - Reportable Quantity
- TPQ - Threshold Planning Quantity

**PREPARATION INFORMATION**

Prepared by: Sprint Systems of Photography, Inc.
Date Prepared: June 21, 2000
Replaces: November 19, 1999

**REVISION INFORMATION**

Sections 11 and 16 were updated to reflect results of a dermal irritation study.