

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identity:** End Run Wetting Agent & Stabilizer

**Recommended use of the chemical and restrictions on use:** Emulsion stabilizer; protects against static charge.

**Supplier:** Sprint Systems of Photography, Inc.  
60 Kindergarten St.  
Woonsocket, RI 02895  
Telephone: +1 800 356-5073

**Emergency Phone:** For Chemical Emergency  
Call ChemTel (1-800-255-3924)

**SDS Date of Preparation:** 10/5/16

**2. HAZARDS IDENTIFICATION**

**Classification in accordance with US OSHA Hazcom 2012 and Canada WHMIS 2015:**

Flammable Liquid Category 3  
Acute Toxicity Category 4 (Oral, Inhalation)  
Carcinogen Category 1A  
Eye Damage Category 1  
Germ Cell Mutagen Category 2  
Skin Sensitizer Category 1A  
Specific Target Organ Toxicity – Single Exposure Category 3 (Central Nervous System)

**GHS Label Elements:**



Danger!

**Statements of Hazard**

Flammable liquid and vapor.  
Harmful if swallowed and inhaled.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
Suspected of causing genetic defects.  
May cause cancer.

**Precautionary Phrases**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed  
Ground and bond container and receiving equipment.  
Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges.

Avoid breathing mist or vapor.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves, protective clothing, and eye protection.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 If skin irritation or rash occurs: Get medical attention.  
 Take off contaminated clothing and wash it before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor if you feel unwell.  
 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
 Rinse mouth.  
 IF exposed or concerned: Get medical attention.  
 In case of fire: Use water fog, alcohol foam, dry chemical or carbon dioxide to extinguish.  
 Store in a well-ventilated place. Keep cool. Keep container tightly closed.  
 Store locked up.  
 Dispose of contents and container in accordance with local and national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Isopropyl Alcohol	67-63-0	25-35%
Polyether	Proprietary	5-15%
Formaldehyde	50-00-0	<5%

The exact composition is being withheld as a trade secret.

### 4. FIRST AID MEASURES

**Eye:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. Get immediate medical attention.

**Skin:** Remove contaminated clothing and shoes. Flush skin thoroughly with water for several minutes. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

**Ingestion:** Rinse mouth. Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell.

**Inhalation:** Remove victim to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

**Most Important Symptoms:** May cause serious eye irritation, redness, tearing and corneal damage. May cause skin sensitization. Harmful if inhaled. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. Harmful if swallowed. This product contains a small amount of formaldehyde that may cause cancer. Risk of cancer depends on duration and level of exposure. This product may cause genetic defects.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is required for eye contact.

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## 5. FIRE FIGHTING MEASURES

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**Suitable (and Unsuitable) Extinguishing Media:** Use alcohol foam, carbon dioxide or dry chemical to extinguish.

**Specific Hazards Arising From the Chemical:** This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Fire may produce carbon dioxide and carbon monoxide.

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing for all fires involving chemicals.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment, and Emergency Procedures:** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wear personal protective as described in Section 8. Use non-sparking tools and equipment. Eliminate all ignition sources. Ventilate the area with explosion-proof equipment.

**Methods and Materials for Containment and Cleaning Up:** Contain and collect using inert absorbent materials, such as sand and diatomaceous earth, and place in appropriate containers for disposal. Use non-sparking tools and equipment. Report releases as required by local, state and federal authorities.

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## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapors. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer.

Do not reuse containers. Empty containers retain product residues and contaminants which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in a well ventilated area with proper sprinkler/fire deterrent system. Storage temperature should not exceed the flash point for extended periods of time. Do not cut, drill, grind or weld on or near this container; residual vapors may ignite.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines:

Isopropyl Alcohol	200 ppm TWA, 400 ppm STEL (ACGIH TLV) 400 ppm TWA (OSHA PEL)
Polyether	None Established
Formaldehyde	0.3 ppm CEIL (ACGIH TLV) (DSEN, RSEN) 0.75 ppm TWA, 2 ppm STEL (OSHA PEL) See 29 CFR 1910.1048(c)

**Engineering Controls:** Use with adequate ventilation to maintain exposure levels below occupational exposure limits. Use explosion-proof equipment where required.

**Respiratory Protection:** In operations where exposure limits are exceeded, an approved respirator with organic vapor cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Wear neoprene or other impervious gloves where contact is likely. Contact your glove supplier for selection assistance.

**Eye Protection:** Chemical safety goggles should be worn where splashing is possible.

**Other:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Clear liquid with a pungent odor.

<b>Physical State:</b> Liquid	<b>Odor Threshold:</b> No data available
<b>Vapor Density:</b> No data available	<b>Initial Boiling Point/Range:</b> 147°F (63.9°C)
<b>Solubility In Water:</b> Soluble	<b>Vapor Pressure:</b> 28 mmHg
<b>Relative Density:</b> 0.95	<b>Evaporation Rate:</b> Not applicable (Buac=1)
<b>Melting/Freezing Point:</b> No data available	<b>pH:</b> 6.7
<b>VOC Content:</b> Not determined	<b>Octanol/Water Coefficient:</b> No data available
<b>Solubility:</b> No data available	<b>Decomposition Temperature:</b> Not available
<b>Viscosity:</b> No data available	<b>Flammability (solid, gas):</b> Not applicable
<b>Flashpoint:</b> 80°F (26.67°C) Closed Cup	<b>Autoignition Temperature:</b> Not data available
<b>Flammable Limits: LEL:</b> Not applicable <b>UEL:</b> Not applicable	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Keep away from heat, sparks and all ignition sources.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Decomposition may yield oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Eye:** May cause serious eye irritation, redness, tearing and corneal damage.

**Skin:** This product is not a skin irritant. The primary dermal irritation score was 0.92 following a 4-hour occluded dermal exposure in a modified FHSA/CPSC Design, 16 CFR 1500. May cause an allergic skin reaction (sensitization).

**Ingestion:** Harmful if swallowed. Swallowing large amounts may cause gastric upset with nausea, vomiting and diarrhea.

**Inhalation:** Harmful if inhaled. Vapors may be irritating to the respiratory tract. Inhalation of high concentrations of isopropanol vapors may cause headache, dizziness, drowsiness, fatigue, nausea and loss of consciousness.

**Chronic:** None known.

**Sensitization:** This product is classified as a skin sensitizer.

**Carcinogenicity:** Formaldehyde exposure may cause nasopharyngeal cancer based on studies with exposed workers. There is also limited evidence that formaldehyde may cause cancer of the nasal cavity and paranasal sinuses. Formaldehyde is classified by IARC as a known human carcinogen (Group 1), and by NTP as a known human carcinogen. OSHA regulates formaldehyde as a carcinogen. None of the other components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

**Germ Cell Mutagenicity:** This product is classified as a germ cell mutagen based on the formaldehyde.

**Reproductive Toxicity:** This product is not classified as toxic to reproduction. Formaldehyde: Formaldehyde did not cause birth defects in rats inhaling concentrations up to 10 ppm. However, a study using higher levels did show a slight but statistically significant reduction in male fetal body weight.

### Numerical Measures of Toxicity:

Product ATE: 1919 mg/kg (oral), 5 mg/L (inhalation, as dust/mist), 6354 mg/kg (skin)

Isopropyl Alcohol: Oral rat LD<sub>50</sub>: 19600 mg/kg, inhalation rat LC<sub>50</sub>: > 4.6 mg/L

Polyether: Oral rat LD<sub>50</sub>: 1310 mg/kg, Inhalation rat LC<sub>50</sub>: 1.15 mg/L/4hr

Formaldehyde: Oral rat LD<sub>50</sub>: 100 mg/kg, Inhalation rat LC<sub>50</sub>: <463 ppm/4 hr (as vapor), Skin rabbit LD<sub>50</sub>: 270 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Isopropanol: 96hr LC<sub>50</sub> Fathead minnow: 6.12 g/L, 96hr LC<sub>50</sub> Pimephales promelas: 75200 mg/L

Polyether: 96hr LC<sub>50</sub> Fathead minnow: 3.8-6.2 mg/L, 48hr LC<sub>50</sub> Daphnia magna: 9.3-21.4 mg/L

This product is expected to be hazardous to aquatic organisms.

**Persistence and Degradability:** Polyether: Not readily biodegradable - <60% in 28 days.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

### 14. TRANSPORT INFORMATION

**DOT Hazardous Materials Description:**

**Proper Shipping Name:** Isopropanol solution

**UN Number:** UN1219

**Hazard Class/Packing Group:** 3, III

**Labels Required:** LTD QTY

**IMDG Shipping Name:** Isopropanol solution

**UN Number:** UN1219

**IMDG Hazard Class/Packing Group:** 3, III

**IMDG Hazard Labels Required:** Flammable Liquid

**IATA Shipping Name:** Isopropanol solution

**UN Number:** UN1219

**IATA Hazard Class/Packing Group:** 3, III

**IATA Hazard Labels Required:** Flammable Liquid

### 15. REGULATORY INFORMATION

**CERCLA 103 Reportable Quantity:** This product has an RQ of 2,000 based on the RQ of Formaldehyde of 100 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Hazard Category for Section 311/312:** Acute Health, Chronic Health, Fire Hazard

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Component	CAS No.	Amount
Formaldehyde	50-00-0	<5%

**Section 302 Extremely Hazardous Substances (TPQ):** Formaldehyde (500 lbs)

**STATE REGULATIONS:**

**California Proposition 65:** This product can expose you to chemicals including Ethylene oxide and Formaldehyde, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).”

**INTERNATIONAL CHEMICAL INVENTORY STATUS:**

**United States TSCA:** All the components are listed.

**Canada DSL:** All the components are listed.

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**16. OTHER INFORMATION**

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**NFPA Rating:** Health = 3      Flammability = 3      Instability = 0  
**HMIS Rating:** Health = 3\*      Flammability = 3      Physical Hazard = 0  
\*Chronic Health Hazard

**Date of Current Revision:** 10/5/16

**Revision Summary:** New SDS

**Date of Previous Revision:** None

**NOTICE**

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Sprint Systems of Photography, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.