1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Record Speed Fixer

Recommended use of the chemical and restrictions on use: Fixes photographic film and paper.

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: 8/29/16

2. HAZARDS IDENTIFICATION

Classification in accordance with US OSHA Hazcom 2012 and Canada WHMIS 2015:
Eye Irritant Category 2
Toxic to Reproduction Category 2

GHS Label Elements:

Warning!

Statements of Hazard

Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.

Precautionary Phrases

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves, protective clothing and eye protection.
IF exposed or concerned: Get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Ammonium Thiosulfate	7783-18-8	80-90%
Potassium Tetraborate Tetrahydrate	12045-78-2	<10%
Potassium Borate	12712-38-8	<10%
Potassium Acetate	127-08-2	<10%
Sodium Metaborate Dihydrate	10555-76-7	<3%
Sodium Sulfite	7757-83-7	<2%
Sodium Metabisulfite	7681-57-4	<2%

The exact concentration 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 medical attention if irritation persists.
Skin: Wash exposed area thoroughly with soap and water. Get medical attention if irritation develops and persists.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention if symptoms occur.
Inhalation: Remove victim to fresh air. Get immediate medical attention if symptoms occur or victim has difficulty breathing.

Most Important Symptoms: May cause moderate eye irritation. Inhalation of mists or vapors may cause mucous membrane and respiratory irritation. Swallowing large amounts may cause gastrointestinal problems. May damage fertility or the unborn child. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other 'sulfite sensitive' individuals.

Indication of immediate medical attention/special treatment: Immediate medical attention is required if allergic reactions occur.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use water fog, carbon dioxide, foam or dry chemical to extinguish.
Specific Hazards Arising From the Chemical: Fire may produce carbon dioxide, carbon monoxide, nitrogen, sulfur and hydrogen sulfide.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Avoid contact with the eyes, skin and clothing. Ventilate area. Wear appropriate protective clothing.

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. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Do not breathe mist or vapor. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

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 cool, dry, well ventilated area away from heat and incompatible materials. Protect from physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Ammonium Thiosulfate	None Established
Potassium Tetraborate Tetrahydrate	None Established
Potassium Borate(as Borates inorganic compounds)	2 mg/m^3 TWA, 6 mg/m^3 STEL (ACGIH TLV) (inhalable)
Potassium Acetate	None Established
Sodium Metaborate Dihydrate	None Established
Sodium Sulfite	None Established
Sodium Metabisulfite	5 mg/m^3 TWA (ACGIH TLV)

Engineering Controls: Use with adequate ventilation to maintain exposure levels below the exposure limits.
Respiratory Protection: In operations where exposures limits are exceeded, an approved respirator with dust/mist 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 butyl rubber 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: Impervious coveralls, apron and boots are required if needed to prevent skin contact and contamination of personal clothing. A safety shower and eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Light yellowish liquid with a slight banana odor.

Physical State: Liquid	**Odor Threshold:** Not available
Vapor Density: Not available	**Initial Boiling Point/Range:** >212°F (>100°C)
Solubility In Water: Soluble	**Vapor Pressure:** Negligible
Relative Density: 1.35	**Evaporation Rate:** Not available
Melting/Freezing Point: Not available	**pH:** 6.0
VOC Content: Not determined	**Octanol/Water Coefficient:** Not available
Solubility: No data available	**Decomposition Temperature:** Not available
Viscosity: No data available	**Flammability (solid, gas):** Not applicable
Flashpoint: >200°F (>93°C) (PMCC)	**Autoignition Temperature:** Not available
Flammable Limits: LEL: Not applicable **UEL:** Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: May decompose in acid solutions, liberating toxic and irritating gases
Conditions to Avoid: Avoid extreme temperatures.
Incompatible Materials: Acidic materials, strong oxidizers and alkali materials.
Hazardous Decomposition Products: Decomposition may yield carbon dioxide, carbon monoxide, nitrogen, sulfur and hydrogen sulfide.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Eye: May cause moderate irritation with pain, tearing, and redness.
Skin: This product is not a skin irritant. The primary dermal irritation score was 0.17 following a 4-hour occluded dermal exposure in a modified FHSA/CPSC Design, 16 CFR 1500.
Ingestion: Ingestion may cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals if ingested. Allergic reaction may result in wheezing, difficulty breathing, broncho constriction, shock, flushing, tingling sensation and gastrointestinal disturbances.
Inhalation: Inhalation of mist or vapor may cause irritation to the nose, throat and upper respiratory tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals if inhaled. Possible signs and symptoms of allergic reactions include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis.
Chronic: None known.
Sensitization: Individuals sensitized to sulfites will react to very low level exposures to this material. This material is known to cause sensitization with dangerous allergic reactions in sensitized individuals.
Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Germ Cell Mutagenicity: This product is not classified as a germ cell mutagen.

Reproductive Toxicity: This product may damage fertility and the unborn child. Inorganic borates have been reported to cause adverse reproductive and developmental effects in laboratory animals given high oral doses.

Numerical Measures of Toxicity:
Ammonium Thiosulfate: Oral rat LD_{50}: 3824 mg/kg, Dermal rabbit LD_{50}: >2000 mg/kg
Potassium Tetraborate Tetrahydrate: Not toxicity data available
Potassium Borate: Not toxicity data available
Potassium Acetate: Oral rat LD_{50}: 3250 mg/kg, Inhalation rat LC_{50}: >5.6 mg/L/4hr (no mortality)
Sodium Metaborate Dihydrate: Oral rat LD_{50}: 2330 mg/kg, inhalation rat LC_{50}: > 2.04 mg/L/4 hr, dermal rabbit LD_{50}: > 2000 mg/kg
Sodium Sulfite: Oral rat LD_{50}: >2000 mg/kg, Dermal rabbit LD_{50}: >2000 mg/kg
Sodium Metabisulfite: Oral rat LD_{50}: 1540 mg/kg, inhalation rat LC_{50}: > 5.5 mg/L/4 hr (no mortality), dermal rat LD_{50}: > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Ammonium Thiosulfate: 96 hr LC_{50} Rainbow trout: 770 mg/L, 48 hr EC_{50} Daphnia magna: 230 mg/L
Potassium Acetate: 96 hr LC_{50} Zebra fish: >992.7 mg/L, 48 hr EC_{50} Daphnia magna: >919 mg/L
Sodium Metaborate Dihydrate: 96 hr LC_{50} Limanda limanda: 74 mg/L
Sodium Sulfite: 96 hr LC_{50} Ide fish: 316 mg/L
Sodium Metabisulfite: 96 hr LC_{50} Leuciscus idus: > 220 - < 460 mg/L

Persistence and Degradability: No data available

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: Not Regulated
UN Number: Not applicable
Hazard Class/Packing Group: Not applicable
Labels Required: Not applicable

IMDG Shipping Name: Not Regulated
UN Number: None
IMDG Hazard Class/Packing Group: None
IMDG Hazard Labels Required: None

IATA Shipping Name: Not Regulated

UN Number: None
IATA Hazard Class/Packing Group: None
IATA Hazard Labels Required: None

15. REGULATORY INFORMATION

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. 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

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): None

Section 302 Extremely Hazardous Substances (TPQ): None

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

INTERNATIONAL CHEMICAL INVENTORY STATUS:

United States TSCA: All the components are listed.
Canada DSL: This product contains a component that is listed on the Non-Domestic Substances List (NDSL).

16. OTHER INFORMATION

NFPA Rating: Health = 2	Flammability = 1	Instability = 0
HMIS Rating: Health = 2*	Flammability = 1	Physical Hazard = 0

*Chronic Health hazard

Date of Current Revision: 8/29/16
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.