

# Safety Data Sheet

## TF-5 Rapid Fixer

### Section 1- Identification Of The Substance/Mixture And Of The Company

<b>1.1. Product Identifier</b> TF-5 Rapid Fixer (A trade secret formula)	Note: Blank spaces are permitted, if any item is not applicable, or no information is available, the space must be marked to indicate that.
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b> Identified uses: Photographic Fixer Solution	
<b>1.3. Details of the Supplier</b> Photographer's Formulary, Inc. Po Box 950 Condon MT 59826 406-754-2891 / 800-922-5255	<b>1.4. Emergency Telephone Number:</b> 800-424-9300  Date Prepared: August 25, 2016

### Section 2 – Hazard Identification

<b>2.1. Classification of the substance or mixture</b>	
<b>Classification (EC 1272/2008)</b>	Physical and Chemical hazard Not Classified Human Health Not Classified Environment Not Classified
<b>Classification (1999/45/EEC)</b>	Not Classified
<b>2.2. Label Elements</b>	
Label in accordance With (EC) No. 1272/2008	No pictogram required
<b>2.3. Other Hazards</b>	
No information available	

### Section 3 – Composition/Information on Ingredients

<b>3.2. Mixtures</b>			
Ammonium Thiosulfate	CAS#7783-18-8	EC no: 231-982-0	10-15%

### Section 4 – First Aid Measures

<b>4.1. Description of First Aid Measures</b>
<b>General Information</b> No recommendation given, but first aid may still be required in cases of accidental exposure. If in doubt get medical attention.
<b>Inhalation</b> Unlikely route of exposure as the product does not contain volatile substances.
<b>Ingestion</b> Rinse mouth thoroughly
<b>Skin Contact</b> Rinse immediately with plenty of water
<b>Eye Contact</b> Make sure to remove any contacts from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention if any discomfort continues.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>
<b>Inhalation</b> No specific symptoms noted
<b>Ingestion</b> No specific symptoms noted

**Skin Contact**

May cause skin irritation

**Eye Contact**

May cause temporary eye irritation

**4.3. Indication of immediate medical attention and special treatment needed**

No specific first aid measures noted

**Section 5 – Fire Fighting Measures****5.1. Extinguishing media**

Use fire extinguishing media appropriate for surrounding materials

**5.2. Special hazards arising from the substance or mixture****Unusual fire and explosion hazards**

No unusual fire or explosion hazards noted

**5.3. Advice from firefighters****Special fire fighting procedures**

No specific fire fighting procedure given

**Section 6– Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing

**6.2. Environmental precautions**

Avoid discharge into drains

**6.3. Methods and material for containment and cleaning up**

Flush with plenty of water to clean spillage are. Prevent discharge of larger quantity to drain

**6.4. Reference to other sections**

For waste disposal, see section 13

**Section 7 – Handling and Storage:****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Provide good ventilation

**7.2. Conditions for safe storage, including any incompatibilities**

Keep out of reach of children

**7.3. Specific end use(s)**

The identified uses for this product are detailed in section 1.2.

## **Section 8 – Exposure Controls/Personal Protection**

### **8.1. Control Parameters**

None given

### **8.2. Exposure controls**

Protective Equipment Gloves and Goggles

#### **Engineering measures**

Provide adequate ventilation. Must not be handled in confined space without sufficient ventilation.

#### **Hand protection**

Use protective gloves

#### **Eye protection**

Use eye protection

#### **Other protection**

Wear suitable protective clothing as protection against splashing or contamination.

## **Section 9 – Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

Appearance	Liquid Water-soluble
Colour	Colorless to pale yellow
Odor	Slight odor
Solubility	Soluble in water
Initial boiling point and boiling range	>100 760 mm Hg (°C)
Melting point (°C)	<0
Relative Density	1.07 20
Vapor Pressure	Not known
Evaporation rate	1 H <sub>2</sub> O (water) = 1
PH-value, Conc solution	5

### **9.2. Other Information**

Not available

## **Section 10 – Stability and Reactivity**

### **10.1. Reactivity**

No specific reactivity hazards associated with this product

### **10.2. Chemical stability**

Stable under normal temperature conditions

### **10.3. Possibility of hazardous reactions**

Hazardous Polymerization

Will not polymerize

### **10.4. Conditions to avoid**

Avoid contact with acids

### **10.5. Incompatible materials**

Materials to avoid

Avoid contact with other photographic solutions and/or cleaning compounds.

#### **10.6. Hazardous decomposition products**

Irritating gases/vapors/fumes of sulphur dioxide

### **Section 11 – Toxicological Information**

#### **11.1 Information on Toxicological Effects**

Toxicological information

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components that comprise the mixture

#### **Inhalation**

No specific health warnings noted

#### **Ingestion**

No specific health warnings noted

#### **Skin Contact**

No specific health warnings noted

#### **Eye Contact**

Irritating to eyes

#### **Health warnings**

Spray and vapor in the eyes may cause irritation and smarting

#### **Route of Entry**

Ingestion, skin and or eye contact.

### **Section 12 – Ecological Information**

#### **12.1. Toxicity**

The product is not expected to be hazardous to the environment.

#### **12.2. Persistence and Degradability**

Degradability

There is no data on the degradability of this product

#### **12.3. Bio-accumulative potential**

No data available

#### **12.4. Mobility in soil**

This product is soluble in water

#### **12.5. Results of PBT and vPvB assessment**

This product does not contain PBT or vPvB

#### **12.6. Other adverse effects**

None known

### **Section 13 – Disposal Considerations**

#### **13.1. Waste Treatment methods**

Consult you local authority for advice. Waste may have to be pre-treated before discharge. Consult local authorities before discharging any waste to sewer. Do not discharge to septic system. Waste that can't be discharged to sewer may have to be handled by a licensed hazardous waste contractor. Eu waste Number 090101

### **Section 14 – Transportation Information**

<b>Road Transport Notes</b>	Not classified for road transport
<b>Rail Transport Notes</b>	Not classified for road transport
<b>Sea Transport Notes</b>	Not classified for road transport
<b>Air Transports Notes</b>	Not classified for road transport

**14.1. Un Number**

Not applicable

**14.2. Un Proper shipping name**

Not applicable

**14.3. Transport Hazard class(s)**

Not applicable

**14.4 Packing Group**

Not applicable

**14.5 Environmental Hazards**

Not applicable

**14.6 Special Precautions for user**

Not applicable

**Section 15 – Regulatory Information**

**15.1. Safety health and environmental regulations/legislation specific for the substance mixture**

**Guidance Notes**

Workplace exposure Limits EH40

**EU Legislation**

Commission regulation (EU) 2015/830 of 28 May 2015 Regulation (EC) no 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and not repealing Directives 67/548/EEC and 1999/45/EC and amending regulation (EC) no 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out

**16 Other Information**

**National Fire Protection Association (NFPA) Ratings are:**

**Fire 0 Health 2 Reactivity 0 Specific Hazard None**

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