

Safety Data Sheet

TF-4 Rapid Fixer

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

1.1. Product Identifier TF-4 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.
1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses: Photographic Fixer Solution	
1.3. Details of the Supplier Photographer's Formulary, Inc. Po Box 950 Condon MT 59826 406-754-2891 / 800-922-5255	1.4. Emergency Telephone Number: 800-424-9300 Date Prepared: August 25, 2016

Section 2 – Hazard Identification

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

Section 3 – Composition/Information on Ingredients

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

Section 4 – First Aid Measures

4.1. Description of First Aid Measures
General Information No recommendation given, but first aid may still be required in cases of accidental exposure. If in doubt get medical attention.
Inhalation Unlikely route of exposure as the product does not contain volatile substances.
Ingestion Rinse mouth thoroughly
Skin Contact Rinse immediately with plenty of water
Eye Contact 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.
4.2. Most important symptoms and effects, both acute and delayed
Inhalation No specific symptoms noted
Ingestion 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 ₂) (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

Road Transport Notes	Not classified for road transport
Rail Transport Notes	Not classified for road transport
Sea Transport Notes	Not classified for road transport
Air Transports Notes	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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