



SAFETY DATA SHEET

Photographic Fixer

According to **Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)**, revised in 2012

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

This SDS relates to the product after it has been prepared for use in accordance with our recommendations.

Because Stearman Press LLC . does not supply the solution ready for use, we are not obliged to provide this SDS. However, we do so in order to help users to use the product safely and assess correctly the risks involved. Users should also have and refer to the SDS(s) for the concentrate(s) from which the working strength solution is prepared.

1. Identification

Product identifier

Product name SP-FastFix

Container size 225g

Recommended use of the chemical and restrictions on use

Restriction on use Photographic Fixer Solution

Details of the supplier of the safety data sheet

Supplier

Stearman Press LLC
125 Stearman Court
Erie CO 80516

Contact person Tim Gilbert
telephone: 303-926-9052

Emergency telephone For medical emergency, call (800) 633-8253 (USA); (801) 629-0667 (international).

2. Hazard identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.

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Precautionary statements	P101 If medical advice is needed, have product container or label at hand.
	P102 Keep out of reach of children.
	P280 Wear protective clothing, gloves, eye and face protection.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P501 Dispose of contents/ container in accordance with local regulations.

Other hazards

No information available.

3. Composition/information on ingredients

Mixtures

sodium thiosulfate anhydrous CAS number: 7772-98-7	75-85%
Classification Not Classified	
SODIUM SULFITE (anhydrous) CAS number: 7757-83-7	3-5%
Classification Skin damage - H315 Eye damage – H319	
Ammonium sulfate CAS number: 7783-20-2	15-20%
Classification Harmful to aquatic life - H402 Avoid release to the environment - P273	

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.

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Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

The product is non-combustible. Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the hazardous product

Specific hazards The product is non-combustible. No unusual fire or explosion hazards noted.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8.

Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing, gloves, eye and face protection.
 Small Spillages: Flush away spillage with plenty of water.
 Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions

Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Read and follow manufacturer's recommendations.

Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container. Storage advice to ensure the product remains in a useable condition throughout its specified shelf life: Store at temperatures above 0°C. Store at temperatures not exceeding 30°C.

Storage class

Chemical storage.

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Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Use protective gloves.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Colour

White/crystalline

Odour

Slight pungent.

pH

pH (concentrated solution): 7.7

Initial boiling point and range

>100°C @ 760 mm Hg

Evaporation rate

~ 1 H₂O (water)=1

Vapour pressure

Data lacking.

Relative density

1.75 @ 20°C

Solubility(ies)

Soluble in water. 100%

Other information

Not available.

10. Stability and reactivity

Reactivity

See the other subsections of this section for further details.

Stability

Stable under the prescribed storage conditions. No particular stability concerns.

Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with acids and alkalis.

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Materials to avoid Strong acids. Strong alkalis. Avoid contact with other photographic solutions and/or cleaning compounds.

11. Toxicological information

Information on toxicological effects

Toxicological effects 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.

Acute toxicity - oral

ATE oral (mg/kg) 12,834.33

Inhalation No specific health hazards known.

Ingestion No specific health hazards known.

Skin contact This product is moderately irritating.

Eye contact Irritating to eyes.

Acute and chronic health hazards No known chronic or acute health risks.

Route of entry Ingestion. Skin and/or eye contact

12. Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

Toxicity Not considered toxic to fish.

13. Disposal considerations

Waste treatment methods

Disposal methods Used, diluted, and spent solutions may be allowed to be discharged to sanitary sewer by permit IF allowed by local regulations. Consult your 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 cannot be discharged to sewer may have to be handled by a licensed hazardous waste contractor.

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14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

UN number

**UN No. (International)
UN proper shipping name** Not applicable.

Proper shipping name (International) Not applicable.

Transport hazard class(es)

Transport Labels (International) Not applicable.

Transport labels
No transport warning sign required.

DOT transport label

Packing group

Packing group (International) Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

Special precautions for user

Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

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16. Other information

General information

Stearman Press Llc believe the information and recommendations contained herein are based on correct and factual data. However, no express or implied guarantee or warranty of any kind is made with respect to this information. Use this information only to supplement other information you have gathered and then make an independent determination about the completeness and suitability of all information to ensure the proper use and disposal of this product and the health and safety of employees and customers.

Key literature references and sources for data

European Photographic Chemical Industry Code of Practice For Classification And Labelling Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984. Material Safety Data Sheet, Misc. manufacturers.

Hazard statements in full

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.