

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Chemical name/ Trade name:** **ATS Schnellfixierbad****Application/use:** Photographic Fixer
Company name: Moersch Photochemie, Am Heideberg 48
D 50354 Hürth, Germany
Telephone: ++49 22 33 943137**2 HAZARDS IDENTIFICATION**

Not a dangerous preparation.

3 COMPOSITION/INFORMATION ON INGREDIENTSThis product is a preparation according to the law for chemicals.
Description: Aqueous solution containing inorganic and organic substances

Name	Content	CAS	EINECS	CLASSIFICATION
Ammonium thiosulphate	60-70%	7783-18-8	231-982-0	not classified
Sodium sulfite	2-8%	7757-83-7	231-821-4	not classified

Other information: further principal ingredient: Water**4 FIRST-AID MEASURES****Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.**Skin:** In case of contact, immediately flush skin with plenty of water.**Ingestion:** If swallowed, seek medical advice immediately**5 FIRE-FIGHTING MEASURES****Suitable extinguishing agents:** Foam, powder, CO₂ and water
None confessed.**Unsuitable extinguishing agents:** -**Special exposure hazards:** If product is involved in a fire, Sulphur dioxide, CO₂ or CO may be formed**Additional notes:** Product does not burn.**6 ACCIDENTAL RELEASE MEASURES****Personal protections** Avoid contact with eyes.

Environment protective measures: Don't let it drain into the sewage system/surface water/ground water.

Proceedings for cleaning/binding: liquid binding materials (e.g. sand, universal binding agents).

Additional notes: Treat the taken material according to waste management section.

7 HANDLING AND STORAGE

Indications for safe contact: At proper use none of special precautions required.

Points on fire-and explosion protection: The product is not combustible.

Requirements on storerooms and containers: None of special requirements necessary. Keep container tightly closed.

Together storage notes: None of special precautions required.

Storage conditions: Recommended storage temperature: 5 to 25 C

8 OUTLINE DEMARCATIION AND PERSONAL PROTECTION EQUIPMENT

HAND PROTECTION: Recommended

RESPIRATORY EQUIPMENT Ventilation

EYE PROTECTION Recommended

OTHER PROTECTION Wear appropriate clothing to prevent any possibility of skin contact.

The composition of this fixer is such that during processing hardly any sulfur dioxide is remitted. The sulfur dioxide concentration in a well ventilated room remains thus below the TLV of 2ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Colorless

Smell: Odourless.

pH value: 7.9(20 C)

Boiling-point/boiling area: ≥ 100 C

Melting point/glaze area: ≤ 0 C

Flaming point: Not applicable.

Aotoflammability Not inflammable.

Danger of explosion: No danger of explosion.

Vapor pression: Remark: Corresponds to the vapor pression of water.

Density: 1.33 - 1.35 g/ml (20 C)

Solubility into water: Mixable.

Dynamic viscosity: no relevant data.

10 STABILITY AND REACTIVITY

Materials to be avoided: -

Dangerous reactions: No dangerous reactions known

Dangerous products of decomposition: Sulfur dioxide, Ammonia

11 TOXICOLOGICAL INFORMATION

Ammonium thiosulphate, EINECS 2319820
LD50 (oral rat) 2890mg/kg

12 ECOLOGICAL INFORMATION

Ammonium thiosulphate: LC50 (fish 96h) 200mg/l
Sodium sulphite: LC50 (fish 96h) 220mg/l

According to the German water endangering class classification system:
WGK 1 (slightly water endangering)

13 INDICATIONS FOR WASTE MANAGEMENT

Product: All silver recovery (with steel wool cartridge or electrolytical silver recovery equipment) before disposal.
Obtain the consent of pollution control authorities before discharging the desilvered fixer to wastewater plant.

European waste catalog: 09 01 04

Packing: Empty packing completely, wash well
(Cleaning agent: water), can be recycled afterwards

14 TRANSPORT INFORMATION

This product is insufficiently hazardous to be classified as dangerous for conveyance by road, rail, air or sea.

15 REGULATIONS

Identification by EC directives: The product is classified and labeled according to EC guidelines (67/548/EEC and 88/379/EEC)

Classification letter: - **danger symbol:** none

Danger identification: -

R sentences: R-36/38 Irritating to eyes and skin.
R-22 Harmful if swallowed

S sentences: S-2 Keep out of reach of children.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-46 If swallowed seek medical advice immediately

16 OTHER INFORMATION

Use: Photographic fixer

Further information:

These details refer merely on this above product and not needs to be valid, if this is occurred with another product or in an arbitrary process.

The information corresponds to our today's knowledge, it is correct and complete and with best conscience, given without a guarantee, though. It shall describe our product with a view to safety requirements and has therefore not the meaning to assure of certain qualities. The responsibility of the use of this product remains on the user whether the information is complete and suitable for his special use.

ISSUED BY:

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