

## 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Chemical name/ Trade name:** MT1 SELENIUM

**Application/use:** Photographic toner

**Company name:** Moersch Photochemie, Am Heideberg 48  
D 50354 Hürth, Germany

**Telephone:** ++49 22 33 943137

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## 2 HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R22: Harmful if swallowed.

· Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labelling: sodium selenate
- Hazard statements

H302 Harmful if swallowed.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

P330 Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Contains sodium selenite. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment









· PBT: Not applicable.

· vPvB: Not applicable

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

- Description: Mixture of the substances listed below with harmless additions.
- Dangerous components:

Name	Content	CAS	EINECS	CLASSIFICATION
Sodium selenate	2-4%	13410-01-0	236-501-8	 T, R-23/25  Xi R43  N R51/53 R31  Acute Tox. 2, H300; Acute Tox. 3, H331  Aquatic Chronic 2, H411  Skin Sens. 1, H317
Ammonium Sulphite	5-10%	10196-04-0	233-484-9	 Xi; R 31-36/38  Skin Irrit. 2, H315; Eye Irrit. 2, H319

- Additional information For the wording of the listed risk phrases refer to section 16.

### 4 FIRST-AID MEASURES

**After inhalation** Supply fresh air.

**After skin contact** The product is not skin irritating.

**After eye contact**

Rinse opened eye for several minutes under running water (> 15 min). Then consult doctor.

**After swallowing** In case of persistent symptoms consult doctor.

**Information for doctor** None

### 5 FIRE-FIGHTING MEASURES

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents** None

· **Special hazards caused by the material, its products of combustion or resulting gases:**

Can be released in case of fire

Sulphur dioxide (SO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

· **Protective equipment:** No special measures required.

#### PROTECTIVE MEASURES IN FIRE

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

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

## ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

## SPILL CLEAN UP METHODS

For waste disposal, see section 13. Wear necessary protective equipment. Small quantities may be flushed to drains with plenty of water. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water. Prevent discharge of larger quantity to drain.

## 7 HANDLING AND STORAGE

- **Handling**
- **Information for safe handling:** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in a cool place. (5 -30°C)
- **Storage class** LGK 12 (VCI-Concept)

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**  
Natural rubber, NR  
Nitrile rubber, NBR  
PVC gloves
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Light weight protective clothing

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Clear liquid
<b>COLOR</b>	Colorless
<b>ODOR</b>	Ammonia-like
<b>SOLUBILITY</b>	100% Soluble in water
<b>BOILING POINT (°C)</b>	>100 760 mm Hg
<b>FLASH POINT</b>	Not applicable
<b>SELF-INFLAMMABILITY</b>	Product is not selfigniting

<b>DANGER OF EXPLOSION</b>	Product is not explosive
<b>RELATIVE DENSITY</b>	1.30 at 20°C
<b>pH-VALUE, CONC. SOLUTION</b>	8.9
<b>VISCOSITY:</b>	Not determined
<b>SOLVENT CONTENT:</b>	Organic solvents: 0.0 % Water: 53%
<b>SOLIDS CONTENT:</b>	47%

## 10 STABILITY AND REACTIVITY

<b>STABILITY:</b>	No decomposition by correct use.
<b>CONDITIONS TO AVOID:</b>	Avoid contact with acids and alkalies. Avoid mixing with: Strong alkalis. Generates toxic gas in contact with acid.

## HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known

## 11 TOXICOLOGICAL INFORMATION

- **ACUTE TOXICITY:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

## 12 ECOLOGICAL INFORMATION

- 12.1 Toxicity
- Aquatic toxicity: Not determined
- 12.2 Persistence and degradability Not determined
- 12.3 Bioaccumulative potential Not determined
- Behaviour in environmental systems: Not determined
- 12.4 Mobility in soil No further relevant information available.
- Ecotoxicological effects: Not determined
- Remark: Harmful to fish
- Additional ecological information:
- General notes:  
Water hazard class 2 (German Regulation) (Self-assessment): Water-endangering.  
Do not allow product to reach ground water, water bodies or sewage system.  
Harmful to aquatic organisms
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

## 13 INDICATIONS FOR WASTE MANAGEMENT

The corresponding local water-and waste regulations must be observed. Do not dispose with domestic garbage. Do not let it get into the sewage system.

## 14 TRANSPORT INFORMATION

**TRANSPORT NOTES** This product is not classified as dangerous for transport by road, rail sea or air, (ADR/RID, IMDG, IATA). The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

- 14.1 UN-Number
- ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA Void
- 14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
- Class Void
- 14.4 Packing group
- ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Not applicable.
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- Transport/Additional information: Not dangerous according to the above specifications.
- UN "Model Regulation": -

## 15 REGULATIONS

### · Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

### · Risk phrases:

33 Danger of cumulative effects.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### · Safety phrases:

2 Keep out of the reach of children.

35 This material and its container must be disposed of in a safe way.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

### · National regulations

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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## 16 OTHER INFORMATION

### Further information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Relevant R-phrases

25 Toxic if swallowed.

31 Contact with acids liberates toxic gas.

33 Danger of cumulative effects.

36/38 Irritating to eyes and skin.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



**ISSUED BY:**

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**REVISION DATE:**  
**PRINTING DATE**

**AUG 01. 2024**  
**AUG 01. 2024**