

EC safetydata sheet

According to Regulation No
1907/2006/EC – REACH, No.
453/2010 and No 1272/2008/EC -
CLP



MT10 Gold Toner

1) substance-/ preparation and company name

Chemical name/ Trade name: MT10 Gold Toner

Application/use: Toner for photograph materials
Company name: Wolfgang Moersch Photochemie, Am Heideberg 48
D 50354 Hürth, Germany
Telephone: ++49 22 33 943137

2) Hazards identification

- Hazard pictograms Void
- Signal word Void

- Hazard statements

Safety data sheet available on request.

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3) composition/details on components

This product is a preparation according to the law for chemicals.

Description: Aqueous solution containing inorganic and organic substances

CAS: 62-56-6	thiourea	0.1- <1%
EINECS: 200-543-5	<input type="checkbox"/> Xn R22-40-63; <input type="checkbox"/> N R51/53	
Index number: 612-082-00-0	Carc. Cat. 3, Repr. Cat. 3	
<input type="checkbox"/>	<input type="checkbox"/> H351; Repr. 2, H361d; Aquatic Chronic 2, H411; Acute Tox. 4, H302	

Other information: further principal ingredient: gold chloride and water

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4) first aid pecautions

- **General information: No special measures required.**
 - **After inhalation: Supply fresh air; consult doctor in case of complaints.**
 - **After skin contact: Immediately rinse with water.**
 - **After eye contact: Rinse opened eye for several (15 min) under running water.**
 - **After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.**
 - **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed No further relevant information available.**
 - **Indication of any immediate medical attention and special treatment needed**
- **No further relevant information available.**

5) PRECAUTIONS for fire fighting

- **Extinguishing media**
 - **Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 - **Special hazards arising from the substance or mixture No further relevant information available.**
 - **Advice for firefighters**
 - **Protective equipment: No special measures required.**

6) PRECAUTIONS at unintentional release

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- **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections** No dangerous substances are released.

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

7) handling and storage

- **Handling:**
 - **Precautions for safe handling** No special measures required.
 - **Information about fire - and explosion protection:** No special measures required.
 - **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

- **Further information about storage conditions:**

Store under lock and key and out of the reach of children.

Recommended storage temperature: 10-25°C

8) outline demarcation and personal protection equipment

- **Additional information about design of technical facilities:** No further data; see item 7.
 - **Control parameters**
- **Ingredients 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 valid during the making were used as basis.

- **Exposure controls**

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- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes and skin. Immediately remove all soiled and contaminated clothing

- **Respiratory protection: Not required.**

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **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.

Glove material		breakthrough-time
layer thickness	Butyl rubber:	≥480
min	≥0,4mm	
nitrile:	≥480min	≥0,38mm
Neopren:	≥40min	≥0,65mm

- **Eye protection: Goggles recommended during refilling**

- **Body protection: Protective work clothing**

9) physical and chemical qualities

Form:	Liquid
Color:	Colourless, clear.
Smell:	Odourless.
pH value:	3.0 (20 C)
Boiling-point/boiling area:	>100 C
Melting point/glaze area:	≤ 0 C
Flaming point:	Not applicable.
Imflammatorly/	Not inflammable.
Catching light temperature:	
Self flammability:	Not self-flammable
Density at 20°C:	1 g/cm ³

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Solubility in water

Fully miscible

10) stability and reactivity

· Reactivity

- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions Reacts with alkali, amines and strong acids.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: Irritant gases/vapours

11) details on toxicology

LD/LC50 values relevant for classification

Oral LD50 1750mg/kg rat

Dermal LD50 2800mg/kg rabbit

- Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12) details on ecology

Aquatic toxicity: thiourea

EC50 48h 35mg/L daphnia magna

LC50 96h 1000mg/L

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- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13) indications for waste management

Product: 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.

European waste catalog: 09 01 99: Waste from the photographic industry

Packing: Not contaminated packings can be recycled .

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

14) transport information

ADR CLASS:	Not classified for transportation.
ROAD TRANSPORT NOTES:	Not classified for road transport
RAIL TRANSPORT NOTES:	Not classified for rail transport
SEA TRANSPORT NOTES:	Not classified for sea transport
AIR TRANSPORT NOTES:	Not classified for air transport

15) regulations

I· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16). other details

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child. H411 Toxic to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R40 Limited evidence of a carcinogenic effect.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child.

ISSUED BY:

Wolfgang Moersch – Moersch-Photochemie
++49 2233 943137 info@moersch-photochemie.de

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