

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Chemical name/ Trade name:** **MT8 Kupfertoner**

**Application/use:** Photographic toner  
**Company name:** Moersch Photochemie, Am Heideberg 48  
D 50354 Hürth, Germany  
**Telephone:** ++49 22 33 943137

**2 HAZARDS IDENTIFICATION**

**Definition of dangers:** Bad for health: Possibility of irreversible damage if swallowed. Danger of serious eye damage. Sensitization by skin contact possible.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a preparation according to the law for chemicals.  
Description: Aqueous solutions containing inorganic and organic substances

Name	Content	CAS	EINECS	CLASSIFICATION
COPPER SULPHATE	5-10%	7758-98-7	231-847-6	Xn R22 R36/38 N R50-53
POTASSIUM CITRATE	60%	6100-05-6	2127555	not specified
POTASSIUM HEXACYANOFERRATE (III)	5-10%	13746-66-2	237-323-3	R-32

**Other information:** further principal ingredient: Water

**4 FIRST-AID MEASURES**

**Inhalation:** If inhaled, move to fresh air. Get medical attention.

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.  
Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** If swallowed, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**5 FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media: water spray jet foam dry powder  
Extinguishing Media not to be used for safety reasons:  
Special Hazards from the Product, its Combustionproducts or Gases: Hydrogen cyanide (HCN)  
Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.  
Additional Information  
Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

## **6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Ensure adequate ventilation  
Environmental Precautions: Do not discharge into surface waters/groundwater.  
Methods for Cleaning: Take up with absorbent material.  
Additional Information  
Send in suitable containers for recovery or disposal.

## **7 HANDLING AND STORAGE**

Safe Handling:  
No special measures necessary if used correctly.  
Fire and Explosion Precautions: No special measures necessary  
Storage: Provide floor with bundling.  
Special Storage Information: Do not store together with food.  
Additional Information: storage temperature: 5-35°C

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## **8 OUTLINE DEMARCATION AND PERSONAL PROTECTION EQUIPMENT**

### **Engineering Measures:**

Good general ventilation is recommended.  
Components with Threshold Limit Values: none  
Additional Information: Do not eat or drink when working.  
Personal Protection:  
General Measures: Avoid contact with skin  
Respiratory Protection: Not required under normal condition.  
Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min  
Eye Protection : goggles  
Skin Protection : light protective clothing

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	liquid
COLOR	colourless, yellow and blue
ODOR	odourless
SOLUBILITY	100% soluble in water
BOILING POINT (°C)	100°C - 212°F
RELATIVE DENSITY	1.01 - 1.02
pH-VALUE, WORKING SOLUTION	5.0 - 6.0

## 10 STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
CONDITIONS TO AVOID:	none
MATERIALS TO AVOID	none
HAZARDOUS DECOMPOSITION PRODUCTS	none

## 11 TOXICOLOGICAL INFORMATION

Frequent persistent contact with the skin can cause skin irritation. The product has not been tested. The information is derived from the properties of the individual components.

## 12 ECOLOGICAL INFORMATION

Do not discharge product unmonitored into the environment.  
Endangerment of drinking water and environment:  
Prevent escape into water, drainage, sewer, or the ground. A hazard for drinking water sources when only small quantities get into groundwater. I  
Maybe a hazard to the surrounding atmosphere if larger quantities of the substance escape. Inform the authorities.

## 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.

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#### 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

**No dangerous good for transportation**

#### 15 REGULATIONS

##### Labelling according EC-Regulations

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

Symbol :-

R-Phrases: -

S-Phrases: S-2 Keep out of the reach of children

Contains:

Special Labell Information:

National Regulations:

VbF :n.a.

Water hazard class (german): 2

Other Regulations :

#### 16 OTHER INFORMATION

**Use:** Photographic toner

##### 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.

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##### R-PHRASES (FULL TEXT)

**R-22 Harmful if swallowed. R-36 Irritating to eyes. R-36/38 Irritating to eyes and skin.  
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment**