

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Chemical name/ Trade name:** **MT12 Kobalttoner**  
**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
COBALT(II) NITRATE	0,5-1%	10141-05-6	233-402-1	R-36/37/38-60
POTASSIUM CITRATE	60%	6100-05-6	2127555	not specified
CITRIC ACID	5-10%	77-92-9	201-069-1	R-36
POTASSIUM HEXACYANOFERRATE (III)	5-10%	13746-66-2	237-323-3	R-32

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

**4 FIRST-AID MEASURES****Ingestion:**

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin Contact:**

Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention 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

**24 hour transportation emergency telephone number: Chemtrec 800-424-9300**

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.  
Methodes 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

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

## 13 INDICATIONS FOR WASTE MANEGEMENT

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: R-36/38

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

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.

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

**R-22 Harmful if swallowed. R-36 Irritating to eyes. R-38 Irritating to skin**

**R-60 May impair fertility**

**ISSUED BY:**

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