

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: MT2 CARBON TONER

UFI: TQ30-X0F3-R00V-8HQ1

**1.2 Application of the mixture:** Toner for silver gelatine prints**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

Moersch Photochemie  
Am Heideberg 48  
50354 Hürth  
Tel.: + 49(0)2233-943137  
Fax: + 49(0)2233-943138  
E-Mail: [wolfgang@moersch-photochemie.de](mailto:wolfgang@moersch-photochemie.de)  
[www.moersch-photochemie.de](http://www.moersch-photochemie.de)

**1.4 Emergency telephone number:**

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

**SECTION 2: Hazards identification****2.1 Classification of the mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard Class	Category	Hazard Class and Category	Hazard Statement
3.10	Acute Toxicity (oral)	4	Acute Tox. 4	H302
3.2	Skin corrosion/irritation <sup>2</sup>		Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Dam.1	H318
3.45	Skin Sensitisation	1	Skin Sens. 1	H317

**2.2 Label elements**

Labelling according Regulation (EC) No 1272/2008

Signal Word          Danger

GHS05, GHS07



Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

**Hazard statements**

H302 Harmful if swallowed.  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H318 Causes serious eye idamage.

**Precautionary statements – prevention**

P280 Wear protective gloves

**Precautionary statements – response**

P301+P312 IF SWALLOWED: Call a poison center/doctor if you feel unwell  
P302+P352 IF ON SKIN: Wash with plenty of water  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 If skin irritation or rash occurs: Get medical advice/ attention.

**Reduced Labeling (<= 125 ml)**

GHS07

Signal Word not required

Hazard Statements none

Precautionary statements none

**2.3 Other hazards****Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

Identifier	Components	Classification	% w/w
CAS-No 39365-88-3	Potassium polysulphide	Acute Tox. 4; Skin Irrit 2;	9%

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

EC No 677-755-3 REACH Reg. No 01-2120814841-58- XXXX		Eye Dam. 1	
CAS-No 10117-38-1 EC No 233-321-1	Potassium sulfite		8%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

Rinse mouth with water (only if the person is conscious). Call a doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritation, Cough, Vomiting, Nausea, Breathing difficulties, Risk of serious damage to eyes, Allergic reactions

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER
------------------------------

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings!

water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

### **5.2 Special hazards arising from the mixture**

Non-combustible

### **5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

### **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

### **6.3 Methods and material for containment and cleaning up:**

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

### **6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Provision of sufficient ventilation.

### **7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions

Tightly closed. Dry.

Store away from foodstuffs.

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

Recommended storage temperature: 10-25 °C

### **7.3 Specific end use(s)**

No further relevant information available.

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Inational limit values****Occupational exposure limit values (Workplace Exposure Limits)**

This information is not available

**8.2 Exposure controls****Personal protective equipmen****Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

**Skin protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min

Material tested:KCL 741 Dermatril® L

**Body Protection**

protective clothing

**Control of environmental exposure**

Do not let product enter drains.

**SECTION 9: Physical and chemical properties**

General information	
Form:	fluid
Colour:	red
Odour:	like rotten eggs
Change in condition	
Melting point:	not determined
Freezing point:	<0° C
Flash point	not applicable
Flammability	not applicable
Danger of explosion	not applicable
Vapour pressure at 20° C	not determined
Density at 20° C	1.09 g/cm <sup>3</sup>
Solubility in/Miscibility with water	Fully miscible

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

pH-Value at 20° C	13.2
Solvent content	
Organic solvents:	0 %
Water:	<85 %
VOC (EU):	0 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This mixture is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

Violent reaction with: Strong acid, Chromates, for example potassium chromate, potassium or sodium dichromate, Nitrogen oxides (NO<sub>x</sub>), Fluorine, Contact with acids liberates toxic gas

### 10.4 Conditions to avoid

Keep away from heat. Decomposition takes place from temperatures above: >500 °C

### 10.5 Incompatible materials

There is no additional information.

### Release of toxic materials with

Acids.

### 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### Classification acc. to GHS of the United Nations (1272/2008/EC, CLP)

Acute toxicity: Harmful if swallowed

Exposure route	Endpoint	Value	Species	Source
oral	LD50	>300 - <2000 mg/kg	rat	ECHA

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

May cause an allergic reaction.

### Germ cell mutagenicity

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**Symptoms related to the physical, chemical and toxicological characteristics****• If swallowed**

diarrhoea, vomiting, danger of perforation of the esophagus and the stomach (strong corrosive effects)

**• If in eyes**

Causes serious eye damage, risk of blindness

**• If inhaled**

cough, pain, choking, and breathing difficulties, Irritation to respiratory tract

**• If on skin**

causes skin irritation, May produce an allergic reaction, pruritis, localised redness

**• Other information**

none

**SECTION 12: Ecological information****12.1 Toxicity**

Acute aquatic toxicity

Toxic to aquatic organisms, with long lasting effects.

Endpoint	Value	Species	Source	Exposure time
EC50	183,5 mg/l	aquatic invertebrates	ECHA	48h
ErC50	40,9 mg/l	algae	ECHA	72h

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

**12.2 Persistence and degradability:** Not readily biodegradable.

**12.3 Bioaccumulative potential:** Does not significantly accumulate in organisms.

**12.4 Mobility in soil:** Data are not available.

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.7 Other adverse effects** No further relevant information available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### **Sewage disposal-relevant information**

Do not empty into drains.

#### **Waste treatment of containers/packagings**

Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

### **13.2 Relevant provisions relating to waste**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### **Properties of waste which render it hazardous**

- HP4 irritant - skin irritation and eye damage
- HP6 acute toxicity
- HP12 release of an acute toxic gas
- HP13 sensitising

### **13.3 Remarks**

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER

**SECTION 14: Transport information**

<b>14.1 UN number or ID number</b>	no subject of transport regulations
<b>14.2 UN proper shipind name</b>	not assigned
<b>14.3 Transport hazard class</b>	none
<b>14.4 Packing group</b>	not assigned
<b>14.5 Environmental hazards</b>	non-environmentally hazardous acc. to the dangerous goods regulations

**14.6 Special precautions for user**

There is no additional information

**14.7 Maritime transport in bulk according to IMO instruments**

The cargo is not intended to be carried in bulk

**Information for each of the UN Model Regulations****International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

## National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not assigned

## Deco-Paint Directive

VOC content	0 %
VOC content	0 g/l

## Industrial Emissions Directive (IED)

VOC content	0 %
VOC content	0 g/l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER
------------------------------

not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water Framework Directive (WFD)

not listed

Regulation on the marketing and use of explosives precursors

not listed

Regulation on drug precursors

not listed

Regulation on substances that deplete the ozone layer (ODS)

not listed

Regulation concerning the export and import of hazardous chemicals (PIC)

not listed

Regulation on persistent organic pollutants (POP)

not listed

National regulations(GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

not listed

Restrictions according to GB REACH, Annex 17

not listed

### Other regulations

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

Printing date 16.02.2025

Version no: 3

Revision 16.02.2025

Trade name: MT2 CARBON TONER
------------------------------

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 H-phrases

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause allergic reaction.
H318	Causes serious eye damage.

#### Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative