

## ROLLEI SELENIA TONER VERSION II

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### 1. IDENTIFICATION OF SUBSTANCE

**Product name/** Rollei Selenia Toner Version II  
**Trade name**  
**Use for** Photographic toner  
**Manufacturer/Supplier** Hans O. Mahn & Co, Brookstieg 4  
D 22145 Hamburg-Stapelfeld  
**Telephone number** + 49 40 237008-88

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### 2. COMPOSITION/DATA ON COMPONENTS

Mixture of substances listed below with nonhazardous additions.

**Description** Solution inorganic and organic substances

**Dangerous components:**

Name	%	CAS-No.	EINECS-No.	EG-Index-No.	Symbols; Dangerous Risks
Ammonium sulfite	2.5-9	10196-04-0	233-484-9		
Sodium selenite	0.3-0.9	10102-18-8	233-267-9		Toxic

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### 3. HAZARDS IDENTIFICATION

**Hazard designation:** Void

**Information pertaining to particular dangers for man and environment:**

Void

**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.

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### 4. FIRST AID MEASURES

**General information** No special measure required.

**First aid**

**general** No special measure required.  
**inhalation** Fresh air.  
**skin** Wash with water and soap. Remove and wash contaminated clothing before reuse.  
**eyes** Flush with plenty of water at last 15 minutes.  
Get medical attention promptly.  
**swallowing** Rinse out mouth and then drink plenty of water.  
Get medical attention promptly. In case of persistent consult doctor.

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### 5. FIRE AND EXPLOSION HAZARD

**Extinguishing media** Use agent appropriate for surrounding.

**Unsuitable extinguishing media** None

**Special fire fighting procedures** Protection against inhalation of the fire gases.

**Unusual fire and explosion hazard** Fire or excessive heat may cause production of hazardous decomposition products ( carbon monoxide, carbon dioxide, sulphur dioxide).

**Protective equipment** No special measure required.

**Other informations:** Product is not combustible.

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## ROLLEI SELENIA TONER VERSION II

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### 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions Not required.

Measures for environmental protection Do not allow to enter drainage system, surface or ground water.  
Measure for cleaning/collecting Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Additional information No dangerous materials are released.

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### 7. HANDLING AND STORAGE

Handling No special precautions necessary if used correctly.  
Information about protection against explosions and fires No special measures required.  
Storage No special requirements.  
Keep container tightly sealed. Temperature of storage: 5 to 25 °C  
Storage class Class according to regulation on inflammable liquids: Void.

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### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems:

No further data; see item 7.

Components with 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 list that were valid during the compilation were used as basis.  
Personal protective rules and hygienic measure The usual precautionary measures should be adhered to general for handling chemicals. Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing. Wash hands during breaks and at the end of the work.

Breathing equipment Not required. Product should be used in well ventilated rooms.  
Protection of hands Protective gloves.  
Eye protection Safety glasses.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form Fluid at 20°C  
Colour Colourless to yellowish  
Odour according to ammonia  
pH-value 8,6 (at 25 °C)  
Boiling point/boiling range ≥ 100 °C  
Melting point/melting range ≤ 0 °C  
Flash point Not applicable  
Self-inflamability Product is not self igniting.  
Danger of explosion Product is not explosive.  
Vapour pressure 23 mbar at 20°C  
Density 1,24 g/cm<sup>3</sup> (20 °C)  
Solubility in / Miscibility with Water Fully miscible

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## ROLLEI SELENIA TONER VERSION II

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### 10. STABILITY AND REACTIVITY

<b>Thermal decomposition/ conditions to be avoided</b>	No decomposition if used according to specifications.
<b>Dangerous reactions</b>	React with strong acids and alkaline. React with acids by releasing sulphur. Reaction with alkaline by releasing ammonia.
<b>Dangerous products of decomposition</b>	Sulphur dioxide, ammonia

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### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	
<b>Primary irritant effect</b>	
<b>on the skin</b>	No irritant effect known.
<b>on the eyes</b>	Irritant effect.
<b>Sensitization</b>	No sensitising effect known.
<b>Additional toxicological</b>	The product is not subject to classification according to the calculation information.

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### 12. ECOLOGICAL INFORMATION

<b>General notes</b>	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
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### 13. DISPOSAL CONSIDERATIONS

<b>Product Recommendation:</b>	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
<b>Uncleaned packaging</b>	Recommendation: Non contaminated packaging can be used for recycling. Empty contaminated thoroughly: They can be recycled after thorough and proper cleaning.
<b>Recommended cleaning agent:</b>	Water, if necessary with cleaning agent.

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### 14. TRANSPORT INFORMATION

<b>Transport/Additional information</b>	Not dangerous according to the above specifications.
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### 15. REGULATORY INFORMATION

<b>Designation according to EC guidelines</b>	Observe the normal safety regulation when handling chemicals. The product is not subject to classification according to the general classification guideline for preparations of the EC as issued in the last version. The product is not subject to identification regulations under EC directives and the ordinance on hazardous material (GefStoffV).
<b>Code letter and hazard designation of product</b>	Void
<b>Technical instructions (air)</b>	

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### 16. OTHER INFORMATION

## **ROLLEI SELENIA TONER VERSION II**

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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.