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## Toner Solution

For direct toning or following a bleaching bath  
Can be combined with other toning processes

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# BERGGER Goldtoner

## 1. Identification

Product identifier :	BERGGER Goldtoner
Application :	Toner for photograph application
Supplier :	BERGGER SAS, Les plaines de Rejatas, 87260 Vicq-sur-Breuilh
Tél. :	09 66 89 50 26
Emergency (France) :	+33 (0)1 45 42 59 59

## 2. Hazards identification

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

The product is not classified according to the CLP regulation.

### 3. Composition/information on ingredients

#### **Mixtures**

Mixture of the substances listed below with harmless additions.

Dangerous components		
CAS: 62-56-6 EINECS: 200-543-5	<b>Thiourea</b> Carc. 2, H351, Repr 2 H361d Aquatic Chronic 2, H411 Acute Tox. 4, H302	0.1 < 1%

### 4. First aid measures

#### **General information**

No special measures required

**After inhalation** Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

**After skin contact** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact physician if irritation continues.

**After eye contact** Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

**After swallowing** NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink a few glasses of water or milk. Provide rest, warmth and fresh air. 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.

## 5. Firefighting measures

### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

*For safety reasons unsuitable extinguishing agents Water with a full water jet.*

### Special hazards arising from the substance or mixture Can be released in case of fire

No further relevant information available

### Advice for firefighters

No special measures required

## 6. Accidental release measures

### 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, saw-dust).

### Reference to other sections

No dangerous substances are released.

## 7. Handling and storage

### Precautions for safe handling

No special measures required.

**Information about protection against explosions and fires:** No special measures required.

### Conditions for safe storage, including any incompatibilities

**Storage class** Chemical storage

Store away from foodstuffs.

Store away from oxidizing agents.

**Specific end use(s)** No further relevant information available.

## 8. Exposure controls/personal protection

### Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Exposure controls

#### *General protective and hygienic measures*

The usual precautionary measures should be adhered to general rules 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. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working.

### Personal protective equipment

*Breathing equipment:* Not required.

*Protection of hands:* The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Only use chemical-protective gloves with CE-labelling of category III.

#### *Penetration time of glove material*

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

*Eye protection:* Goggles recommended during refilling

*Body protection:* Protective work clothing.

## 9. Physical and chemical properties

Information on basic physical and chemical properties	
<i>Appearance</i>	
Form	Fluid
Colour	Light yellow
Odour	Not characteristic
pH Value at 25°C	2,5
Boiling point / Boiling Range	> 100°C
Ignition temperature	Not determined
Self-inflammability	-
Danger of explosion	Product is not explosive.
Vapour pressure at 20°C	23 hPa
Density at 20°C	1 g/cm <sup>3</sup>
<i>Solubility in / Miscibility with</i>	
Water	fully miscible
<i>Solvent content</i>	
organic solvents	0.0%
water	> 98%
<i>Other information</i>	No further relevant information available.

## 10. Stability and reactivity

### Reactivity

#### Chemical stability

Stable under the prescribed storage conditions. No particular stability concerns.

**Possibility of hazardous reactions** Reacts with alkali, amines and strong acids

**Conditions to avoid** No further relevant information available

**Materials to avoid** No further relevant information available

**Hazardous decomposition products:** Irritant gases / vapor

## 11. Toxicological information

### Information on toxicological effects

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

<b>Acute toxicity</b> <b>LD/LC50 values that are relevant for classification:</b>		
<b>Thiourea</b>		
Oral	LD50	1750 mg/kg (rat)
Dermal	LD50	2800 mg/kg (rabit)

### Subacute to chronic toxicity:

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. Ecological informations

### Toxicity

Aquatic toxicity

#### THIOUREA

EC50/48 h 35 mg/l (Daphnia magna)

LC50/96 h 1000 mg/l (Pimephales promelas)

**Persistence and degradability** Not determined

**Bioaccumulative potential** Not determined

**Behaviour in environmental systems:** Not determined

**Mobility in soil** No further relevant information available.

**Ecotoxicological effects:** No further relevant information available.

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

## 13. Disposal considerations

### Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

### European waste catalogue

09 01 01 - wastes not otherwise specified

### Uncleaned packagings

#### Recommendation:

Disposal must be made according to official regulations.

*Recommended cleaning agent:* Water, if necessary with cleaning agent.

## 14. Transport information

Not applicable

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

A Chemical Safety Assessment has not been carried out.

## 16. Other information

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.

### Department issuing data specification sheet:

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FRANCE  
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### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

### Sources

applicable EEC directives: 1907/2006, 1272/2008  
Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), <http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp>