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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Name of product</b>	<b>5010204 Patina Kupfer Hochglanz 5000 ml</b>
<b>Manufacturer/distributor</b>	TGK GmbH Helleforthstraße 18 - 20, D-33758 Schloß Holte - Stukenbrock Phone 05207 91280, Fax 05207 912840  E-Mail <a href="mailto:tgk@tgk.de">tgk@tgk.de</a> Internet <a href="http://www.tgk.de">www.tgk.de</a>
<b>Advice</b>	Phone 05207 91280 Fax 05207 912840
<b>Emergency advice</b>	Phone 05207 91280

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## ! 2. HAZARDS IDENTIFICATION

### Classification

Xn; R22  
C; R35  
Xi; R36/38  
N; R50/53

### R-phrases

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

### Special hazards information for humans and environment

Irritating to eyes and skin.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### ! Hazardous ingredients

CAS No	EC No	Name	[%]	Classification
7664-93-9	231-639-5	sulphuric acid ... %	< 5	C R35
7758-99-8		Kupfersulfatpentahydrat	< 10	Xn R22; Xi R36/38; N R50/53
900-92-0		Laurylalkoholethoxylat	< 1	

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## 4. FIRST AID MEASURES

### General information

Remove contaminated soaked clothing immediately.

### In case of inhalation

Ensure of fresh air.  
Seek medical treatment immediately.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.  
Remove contaminated clothing immediately, even underwear and shoes.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
Medical treatment by eye specialist.

**In case of ingestion**

Do not give neutralising liquids.  
Do not induce vomiting.  
Call for a doctor immediately.  
If swallowed by mistake drink plenty of water and seek medical treatment.

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

**Extinguishing media which must not be used for safety reasons**

no

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

no

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains or bodies of water..  
Do not discharge into the subsoil/soil.

**Methods for cleaning up**

Take up with absorbent material.  
After taking up the material dispose according to regulation.

**Additional Information**

Informations for safe handling see chapter 7.  
Informations for personal protective equipment see chapter 8.  
Informations for disposal see chapter 13.

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**7. HANDLING AND STORAGE**

**Requirements for storage rooms and vessels**

Keep only in original container.

**Advice on storage compatibility**

Do not store together with food.

**Further information on storage conditions**

Keep container tightly closed.  
Store in a dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Hand protection

Protective gloves

### Eye protection

safety goggles

### Skin protection

protective clothing

### General protective measures

Avoid contact with the skin.

Avoid contact with the eyes.

### Hygiene measures

Do not eat or drink when working.

Do not smoke when working.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Form

liquid

### Colour

blue

### Odour

no

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	ca. 0,5 - 1,5	20 °C			
<b>starts to boil</b>	ca. 100 °C				
<b>solidifying point</b>	<= 0 °C				
<b>Flash point</b>	not determined				
<b>Vapour pressure</b>	ca. 18 Torr	20 °C			
<b>Density</b>	ca. 1,11 g/cm <sup>3</sup>	20 °C			
<b>Solubility in water</b>					miscible
<b>Viscosity 1 not determined</b>		20 °C			

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## 10. STABILITY AND REACTIVITY

### Additional information

not determined

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>	500 mg/kg			

### Experiences made from practice

Toxic if swallowed.  
Irritates mucous membranes.  
Irritates eyes and skin.  
Substance effects hypotensive.

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## 12. ECOLOGICAL INFORMATION

### General regulation

Toxic to fishes.  
Product is not allowed to be discharged into the ground water or aquatic environment.

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## 13. DISPOSAL CONSIDERATIONS

### Recommendations for the product

In accordance with regulations for special waste, must be taken after pretreatment to an authorised special waste disposal site or incineration plant.

### Recommendations for packaging

Uncontaminated packaging may be taken for recycling.  
Totally emptied packaging may be taken for recycling.

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## 14. TRANSPORT INFORMATION

### Land and inland navigation transport ADR/RID

No hazardous material as defined by the prescriptions.

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## 15. REGULATORY INFORMATION

### Classification

Xn Harmful

### R-phrases

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

### S-phrases

2 Keep out of the reach of children.  
24/25 Avoid contact with skin and eyes.  
46 If swallowed, seek medical advice immediately and show this container or label.

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**National regulations**

**Decree for case of  
interference/remarks**

Accident decree, addendum II: not named.

**Water hazard class**

1 self-classification

**Other regulations, restrictions and prohibition regulations**

no

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**16. OTHER INFORMATION**

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

**Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)**

R 22 Harmful if swallowed.

R 35 Causes severe burns.

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.