

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: **STABINAL**

Article number: 102140 ausl.

Index number:

None of the ingredients is listed.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Stabilizer bath for photographic use

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

TETENAL 1847 GmbH

Schützenwall 31-35

D-22844 Norderstedt /Germany

Tel.: +49 (0) 40 521 45-0; Fax: +49 (0)40-52145-296

www.tetenal.com; E-mail: info@tetenal.com

Further information obtainable from: Department product safety. E-Mail: sida@tetenal.com

### 1.4 Emergency telephone number:

Poison Information Centre Germany: +49 (0) 30 - 30686 700 (English and German 24 hours)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Acute Tox. 4 H332 Harmful if inhaled.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS05 GHS07

Signal word Danger

#### Hazard-determining components of labelling:

potassium thiocyanate

Polyethylene glycol octylphenyl ether

#### Hazard statements

H332 Harmful if inhaled.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear eye protection / face protection.

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- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P501 Dispose of contents/container in accordance with local regulations.
- . Additional information:**  
 EUH031 Contact with acids liberates toxic gas.
- . 2.3 Other hazards**
- . Results of PBT and vPvB assessment**
- . PBT:** Not applicable.  
**. vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### . 3.2 Chemical characterisation: Mixtures

**. Description:** Mixture of substances listed below and with nonhazardous additions.

#### . Dangerous components:

CAS: 333-20-0	potassium thiocyanate	5-10%
EINECS: 206-370-1	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Eye	
Index number: 615-004-00-3	Irrit. 2, H319; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119543697-26		
CAS: 9036-19-5	Polyethylene glycol octylphenyl ether	1-5%
Polymer	⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302	

#### . SVHC

Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH). Monomere of:

9036-19-5 Polyethylene glycol octylphenyl ether

**. Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### . 4.1 Description of first aid measures

- . General information:** Immediately remove any clothing/shoes soiled by the product.  
**. After inhalation:** Supply fresh air.  
**. After skin contact:** Immediately rinse with water.  
**. After eye contact:** Rinse opened eye for several (15 min) under running water.  
**. After swallowing:** Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### . 5.1 Extinguishing media

#### . Suitable extinguishing agents:

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

#### . 5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO<sub>x</sub>)  
 Carbon monoxide (CO)  
 Sulphur dioxide (SO<sub>2</sub>)

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- . **5.3 Advice for firefighters**
- . **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
  - Mount respiratory protective device.
  - Ensure adequate ventilation
- . **6.2 Environmental precautions:**
  - Inform respective authorities in case of seepage into water course or sewage system.
  - 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).
- . **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- . **Information about fire - and explosion protection:** Protect from heat.
- . **7.2 Conditions for safe storage, including any incompatibilities**
  - . **Storage:**
    - . **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
    - . **Information about storage in one common storage facility:**
      - Do not store together with acids.
      - Store away from foodstuffs.
    - . **Further information about storage conditions:**
      - Store in cool, dry conditions in well sealed receptacles.
      - Protect from heat and direct sunlight.
      - Store under lock and key and out of the reach of children.
      - Recommended storage temperature: 5-30°C
  - . **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical facilities:** No further data; see item 7.
- . **8.1 Control parameters**
- . **Ingredients with limit values that require monitoring at the workplace:**


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  - 333-20-0 potassium thiocyanate (5-10%)**
  - WEL (Great Britain) Long-term value: 5 mg/m<sup>3</sup>  
as CN; Sk
- . **Additional information:** The lists valid during the making were used as basis.
- . **8.2 Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - Keep away from foodstuffs, beverages and feed.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- . **Respiratory protection:**
  - Ensure adequate ventilation

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Filter P2

**. Protection of hands:**

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**. Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

**. Penetration time of glove material**

Glove material	breakthroug-time	layer thickness
Butyl rubber:	≥480 min	≥0,4mm
Nitrile rubber:	≥480 min	≥0,38mm
Neoprene:	≥240 min	≥0,65mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**. Eye protection:** Goggles recommended during refilling**. Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

**. 9.1 Information on basic physical and chemical properties****. General Information****. Appearance:****Form:** Fluid**Colour:** Colourless**. Odour:** Odourless**. Odour threshold:** Not determined.**. pH-value:** Not determined.**. Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** 100 °C**. Flash point:** Not applicable.**. Flammability (solid, gas):** Not applicable.**. Decomposition temperature:** Not determined.**. Auto-ignition temperature:** Product is not selfigniting.**. Explosive properties:** Product does not present an explosion hazard.**. Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**. Vapour pressure at 20 °C:** 23 hPa**. Density at 20 °C:** ~1.1 g/cm<sup>3</sup>**. Relative density** Not determined.**. Vapour density** Not determined.**. Evaporation rate** Not determined.**. Solubility in / Miscibility with****water:** Fully miscible.

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<b>. Partition coefficient: n-octanol/water:</b>	Not determined.
<b>. Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>. Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	50-90 %
<b>VOC (EC)</b>	0.00 %
<b>. 9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:**  
Irritant gases/vapours  
Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity**  
Harmful if inhaled.
- . **LD/LC50 values relevant for classification:**
- 9036-19-5 Polyethylene glycol octylphenyl ether**
- Oral LD50 1900-5000 mg/kg (rat)
- Dermal LD50 >3000 mg/kg (rabbit)
- . **Primary irritant effect:**
- . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- . **Serious eye damage/irritation**  
Causes serious eye damage.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:**
- 9036-19-5 Polyethylene glycol octylphenyl ether**
- EC50 48h: 18-26 mg/l (daphnia magna (Water flea))
- LC50 96h: 4-8.9 mg/L (fish: Pimephales promelas)
- . **12.2 Persistence and degradability** No further relevant information available.

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- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Remark:** Harmful to fish
- . **Additional ecological information:**
- . **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Harmful to aquatic organisms
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- . **13.1 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 99 wastes not otherwise specified
- . **Uncleaned packaging:**
- . **Recommendation:** Disposal must be made according to official regulations.
- . **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| . <b>14.1 UN-Number</b>  | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.2 UN proper shipping name</b>  | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.3 Transport hazard class(es)</b>   | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>Class</b>   | Void            |
| . <b>14.4 Packing group</b>  | Void            |
| . <b>ADR, IMDG, IATA</b>   | Void            |
| . <b>14.5 Environmental hazards:</b>   |                 |
| . <b>Marine pollutant:</b>   | No              |
| . <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| . <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| . <b>UN "Model Regulation":</b>  | Void            |

### SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Labelling according to Regulation (EC) No 1272/2008** GHS label elements
- . **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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

### SECTION 16: Other information

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 phrases**

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

. **Contact:** E: sida@tetenal.com

. **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)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

. **\* Data compared to the previous version altered.**

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