

27.01.2014

Kit Components

Product code	Description
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102025 Kit	SEPIA TONER for 2,5 L
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Components:

102025	Sepia Bleicher
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102025 Toner	Sepia Toner
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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2014

version no: 1

Revision: 27.01.2014

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

- . **1.1 Product identifier**
 - . **Trade name:** Sepia Toner Bleach Part 1
 - . **Article number:** 102025, 44300
- . **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** Toner for photograph materials
- . **1.3 Details of the supplier of the safety data sheet**
 - . **Manufacturer/Supplier:**
TETENAL Europe GmbH
Schützenwall 31-35
D-22844 Norderstedt / Germany
Phone: ++49 (0) 40 521 45-0; Fax: +49 (0) 40-52145-296
www.tetenal.com; E-Mail: info@tetenal.com

 - TETENAL Ltd.,
2 Meridian West, Meridian Business Park, Leicester LE19 1WX
Phone: 0116 - 289 3644; E-Mail: uk@tetenal.com; www.tetenaluk.com
- . **Further information obtainable from:** Department environment and safety. E-Mail: info@tetenal.com
- . **1.4 Emergency telephone number:** Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

SECTION 2: Hazards identification

- . **2.1 Classification of the substance or mixture**
 - . **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.

 - . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
 - . **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - . **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- . **2.2 Label elements**
 - . **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
 - . **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- . **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 characterization: Mixtures**
 - . **Description:** Mixture of substances listed below and with nonhazardous additions.

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. Dangerous components:

CAS: 13746-66-2 EINECS: 237-323-3	Potassium ferricyanide	 Xn R22  Acute Tox. 4, H302	10-25%
CAS: 7757-79-1 EINECS: 231-818-8	potassium nitrate	 O R8  Ox. Sol. 2, H272	1-5%
CAS: 1330-43-4 EINECS: 215-540-4 Index number: 005-011-00-4	disodium tetraborate, anhydrous	 T Repr. Cat. 2 R60-61  Repr. 1B, H360FD	0.1- 0.5%

. SVHC

1330-43-4 disodium tetraborate, anhydrous

. Additional information: For the wording of the listed risk 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; consult doctor in case of complaints.**. After skin contact:** Immediately rinse with water.**. After eye contact:** Rinse opened eye for several (15 min) under running water.**. After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

. 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:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**. 5.2 Special hazards arising from the substance or mixture** No further relevant information available.**. 5.3 Advice for firefighters****. Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****. 6.1 Personal precautions, protective equipment and emergency procedures** 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).

Pick up mechanically.

. 6.4 Reference to other sections No dangerous substances are released.**SECTION 7: Handling and storage****. 7.1 Precautions for safe handling** No special measures required.

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- . **Information about fire - and explosion protection:** No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Store away from foodstuffs.
- . **Further information about storage conditions:**
Store under lock and key and out of the reach of children.
Recommended storage temperature: 5-25 °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:**

13746-66-2 Potassium ferricyanide (10-<25%)

WEL (Great Britain)	Long-term value: 5 mg/m ³ as CN; Sk
PEL (USA)	Long-term value: 5 mg/m ³ as CN; Skin
REL (USA)	Long-term value: 1 mg/m ³ as Fe
TLV (USA)	Long-term value: 1 mg/m ³ as Fe

- . **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.
Avoid contact with the eyes and skin.

- . **Respiratory protection:** Ensure adequate ventilation

. 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:	≥480min	≥0,38mm
Neopren:	≥240min	≥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:** Safety glasses

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. **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: Dark orange colour
Odour: Odourless

. **pH-value:** Alkaline

. Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

. **Flash point:** Not applicable.

. **Self-igniting:** Product is not selfigniting.

. **Danger of explosion:** Product does not present an explosion hazard.

. **Vapour pressure at 20 °C:** 23 hPa

. **Density at 20 °C:** 1.131 g/cm³

. **Solubility in / Miscibility with water:** Fully miscible.

. Solvent content:

Organic solvents: 0.0 %
Water: >73 %

. **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

. 10.1 Reactivity

. 10.2 Chemical stability

. **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

. **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

SECTION 11: Toxicological information

. 11.1 Information on toxicological effects

. Acute toxicity:

. Primary irritant effect:

. **on the skin:** No irritant effect.

. **on the eye:** No irritating effect.

. **Sensitization:** No sensitizing effects known.

. Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- . **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

- | | |
|--|------|
| . 14.1 UN-Number | |
| . ADR, ADN, IMDG, IATA | Void |
| . 14.2 UN proper shipping name | |
| . ADR | Void |
| . ADN, IMDG, IATA | Void |
| . 14.3 Transport hazard class(es) | |
| . ADR, ADN, IMDG, IATA | |
| . Class | Void |
| . 14.4 Packing group | |
| . ADR, IMDG, IATA | Void |
| . 14.5 Environmental hazards: | |
| . Marine pollutant: | No |

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- | | |
|--|-----------------|
| . 14.6 Special precautions for user | Not applicable. |
| . 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| . UN "Model Regulation": | - |

SECTION 15: Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . National regulations:
- . Other regulations, limitations and prohibitive regulations

. Substances of very high concern (SVHC) according to REACH, Article 57

1330-43-4	disodium tetraborate, anhydrous
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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

- H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H360FD May damage fertility. May damage the unborn child.
R22 Harmful if swallowed.
R60 May impair fertility.
R61 May cause harm to the unborn child.
R8 Contact with combustible material may cause fire.

. **Contact:** e-mail: sida@tetenal.com

. Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
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 Harmonized 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)

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

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

- . 1.1 Product identifier**
- . Trade name:** Sepia Toner
- . Article number:** 102025 Toner, 44291
- . 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** Toner for photograph materials
- . 1.3 Details of the supplier of the safety data sheet**
- . Manufacturer/Supplier:**
TETENAL Europe GmbH
Schützenwall 31-35
D-22844 Norderstedt / Germany
Phone: ++49 (0) 40 521 45-0; Fax: +49 (0) 40-52145-296
www.tetenal.com; E-Mail: info@tetenal.com
- TETENAL Ltd.,
2 Meridian West, Meridian Business Park, Leicester LE19 1WX
Phone: 0116 - 289 3644; E-Mail: uk@tetenal.com; www.tetenaluk.com
- . Further information obtainable from:** Department environment and safety. E-Mail: info@tetenal.com
- . 1.4 Emergency telephone number:** Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

SECTION 2: Hazards identification

- . 2.1 Classification of the substance or mixture**
- . Classification according to Regulation (EC) No 1272/2008**
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
-
- . Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
C; Corrosive
R34: Causes burns.
.....
Xn; Harmful
R21: Harmful in contact with skin.
- . Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- . Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
-
- . 2.2 Label elements**
- . Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- . Code letter and hazard designation of product:**
-  C Corrosive
- . Hazard-determining components of labelling:**
disodium sulfide
sodium hydroxide (caustic soda)

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. Risk phrases:

- 21 Harmful in contact with skin.
- 34 Causes burns.

. Safety phrases:

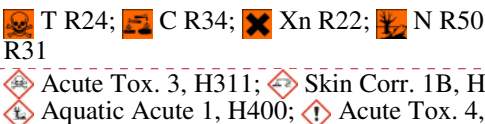

- 1/2 Keep locked up and out of the reach of children.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

. 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 characterization: Mixtures. **Description:** Mixture of substances listed below and with nonhazardous additions.**. Dangerous components:**

CAS: 1313-82-2 EINECS: 215-211-5 Index number: 016-009-00-8	disodium sulfide  T R24; C R34; Xn R22; N R50 R31 Acute Tox. 3, H311; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Acute Tox. 4, H302	1-5%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide (caustic soda)  C R35 Met. Corr.1, H290; Skin Corr. 1A, H314	0.5 - <2%

. **Additional information:** For the wording of the listed risk 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.
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

. After inhalation:

In case of unconsciousness place patient stably in side position for transportation.
 Supply fresh air; consult doctor in case of complaints.

. **After skin contact:** Immediately wash with water and soap and rinse thoroughly.. **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**. After swallowing:**

Do not induce vomiting; call for medical help immediately.
 Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further relevant information available.

. Information for doctor:Links for hazardous substances data GESTIS: <http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>

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- . 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:
CO₂, 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_x)
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- . 5.3 Advice for firefighters**
. Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- . 6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.
- . 6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
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).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Pick up mechanically.
Ensure adequate ventilation.
- . 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:
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acids.
- . Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

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- Store under lock and key and out of the reach of children.
 Recommended storage temperature: 5-25 °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:**

1310-73-2 sodium hydroxide (caustic soda) (1- <2%)

WEL (Great Britain)	Short-term value: 2 mg/m ³
PEL (USA)	Long-term value: 2 mg/m ³
REL (USA)	Short-term value: C 2 mg/m ³
TLV (USA)	Short-term value: C 2 mg/m ³

- . **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.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.

- . **Respiratory protection:**

Ensure adequate ventilation
 required at the appearance from fumes/vapours/aerosol. Filter ABEK

- . **Protection of hands:**



Protective gloves

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	breakthrough-time	layer thickness
Butyl rubber:	≥ 480 min	≥0,4mm
nitrile:	≥480min	≥0,38mm
Neopren:	≥240min	≥0,65mm

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

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. Eye protection:



Tightly sealed goggles

. 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:	Light grey
Odour:	Like rotten eggs (mercaptans)

. pH-value at 20 °C: 13.7

. Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: Undetermined.

. Flash point: Not applicable.

. Self-igniting: Product is not selfigniting.

. Danger of explosion: Product does not present an explosion hazard.

. Vapour pressure at 20 °C: 23 hPa

. Density at 20 °C: 1.071 g/cm³

. Solubility in / Miscibility with water:

Fully miscible.

. Solvent content:

Organic solvents: 0.0 %
 Water: >92 %

. 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

. 10.1 Reactivity

. 10.2 Chemical stability

. Thermal decomposition / conditions to be avoided: Stable at environment temperature.

. 10.3 Possibility of hazardous reactions

Reacts with acids, alkalis and oxidizing agents.
 Reacts with acids releasing sulphur dioxide.

. 10.4 Conditions to avoid No further relevant information available.

. 10.5 Incompatible materials: Under certain fire conditions, traces of other toxic gases cannot be excluded.

. 10.6 Hazardous decomposition products:

Irritant gases/vapours
 Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information

. 11.1 Information on toxicological effects

. Acute toxicity:

. LD/LC50 values relevant for classification:

1310-73-2 sodium hydroxide (caustic soda)

Oral	LD50	>2000 mg/kg (rat)
------	------	-------------------

. Primary irritant effect:

. **on the skin:** Caustic effect on skin and mucous membranes.

. **on the eye:** Strong caustic effect.

. **Sensitization:** No sensitizing effects known.

. Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

SECTION 12: Ecological information

. 12.1 Toxicity

. Aquatic toxicity:

1310-73-2 sodium hydroxide (caustic soda)

EC50	24h: 76 mg/l (daphnia magna (Großer Wasserfloh))
------	--

LC50	48h: 99 mg/L (Lepomis macrochirus)
------	------------------------------------

	96h: 45.4 mg/L (Oncorhynchus mykiss)
--	--------------------------------------

. 12.2 Persistence and degradability

1313-82-2 disodium sulfide

	205 - 208 (rat)
--	-----------------

. **12.3 Bioaccumulative potential** No further relevant information available.

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

. 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.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

. 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.

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. 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

. 14.1 UN-Number

. ADR, IMDG, IATA UN1760

. 14.2 UN proper shipping name

. ADR 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED)
. IMDG, IATA CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED)

. 14.3 Transport hazard class(es)

. ADR



. Class 8 (C9) Corrosive substances.

. Label 8

. IMDG, IATA



. Class 8 Corrosive substances.

. Label 8

. 14.4 Packing group

. ADR, IMDG, IATA III

. 14.5 Environmental hazards:

. Marine pollutant: No

. 14.6 Special precautions for user

. Danger code (Kemler): Warning: Corrosive substances.

. EMS Number: 80

. Segregation groups: F-A,S-B

. Segregation groups: Alkalis

. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

. Transport/Additional information:

. ADR

. Limited quantities (LQ) 5L

. Transport category 3

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. Tunnel restriction code	E
. UN "Model Regulation":	UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED), 8, III

SECTION 15: Regulatory information

. **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**

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

R22 Harmful if swallowed.
R24 Toxic in contact with skin.
R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R50 Very toxic to aquatic organisms.

. **Contact:** e-mail: sida@tetenal.com

. **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
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 Harmonized 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

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

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