

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

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

- 1.1 Product identifier

- Trade name **TP 100 Forte**

- Article number: 1001218122011

- 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 **Cleaning agent / Cleaner**

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Stockmeier Chemie GmbH & Co. KG

Am Stadtholz 37

D - 33609 Bielefeld

Tel.: +49/521/3037-0

- Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-162, 3037-311 or 3037-328

E-mail: ehs-bielefeld@stockmeier.de

- 1.4 Emergency telephone number:

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- 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

- Signal word **Danger**

- Hazard-determining components of labelling:

alkyl poly ethylene glycol ether

sodium hydroxide

- Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/-if you feel unwell.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 1)

P321 Specific treatment (see on this label).

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of the substances listed below with harmless additions (aqueous solution).**- Dangerous components:**

CAS: 69011-36-5 NLP: 500-241-6 Reg.nr.: 01-2119976362-32	Isotridecanol, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate Eye Irrit. 2, H319	2.5-10%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	< 2.5%

- Additional information For the wording of the listed hazard phrases refer to section 16.**- Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

5 - 15 % non-ionic surfactants,

< 5 % anionic surfactants,

< 5 % phosphonates

Perfumes (Limonene),

1,2-benzisothiazol-3(2H)-one,

2-methyl-2H-isothiazol-3-one,

SECTION 4: First aid measures

- 4.1 Description of first aid measures**- General advice:** Instantly remove any clothing soiled by the product.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact**

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

- After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

- 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.

GB

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 2)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
See section 8.
Wear full protective suit with self-contained breathing apparatus.
- **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment and keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Dilute with much water.
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Contaminated material has to be disposed as waste (see item 13).
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 information on disposal.

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep containers tightly sealed.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water hazardous substances
Store in original containers or in PE-containers.
- **Information about storage in one common storage facility:** Not required.
- **Storage class** 8 B L (VCI - Konzept, 2007)
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 3)

- 8.1 Control parameters**- Components with critical values that require monitoring at the workplace:****1310-73-2 sodium hydroxide**WEL Short-term value: 2 mg/m³**- DNELs****1310-73-2 sodium hydroxide**

Oral	DNEL (worker)	2.3 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (population)	11718 mg/kg bw/day (Long-term, systemic effects)
	DNEL (worker)	< 2 % wt. (Acute, local effects) 11718 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (population)	2.5 mg/m ³ (Acute, local effects)
		5.7 mg/m ³ (Long-term, systemic effects)
	DNEL (worker)	2.1 mg/m ³ (Long-term, systemic effects) 1 mg/m ³ (Long-term - local effects) (most sensitive endpoint: Irritation)

- PNECs**1310-73-2 sodium hydroxide**

PNEC STP	51 mg/l (-)
PNEC aqua	6.4 mg/l (freshwater)
	0.64 mg/l (Seawater)
	3.1 mg/l (intermittent releases)
PNEC sediment	2.3 mg/kg dw (Seawater)
PNEC soil	23 mg/kg dw (freshwater)
	0.853 mg/kg dw (soil)

- Additional information: The lists that were valid during the compilation were used as basis.**- 8.2 Exposure controls****- Personal protective equipment****- General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment: Use breathing protection only when aerosol or mist is formed.**- Recommended filter device for short term use:** Combination filter A-P2**- Protection of hands:**

Protective 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 glovesButylrubber, BR, recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 min.Nitrile rubber, NBR, recommended thickness of the material: ≥ 0.4 mm, penetration time: ≥ 480 min.

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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 4)

- Penetration time of glove material

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

- Eye protection: Tightly sealed safety glasses.**- Body protection:**

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

- Limitation and supervision of exposure into the environment

The local and national waste water regulations must be observed.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information****- Appearance:**

Form:	Fluid
Colour:	Yellowish
Smell:	citrus like
Odour threshold:	Not determined.

- pH-value (10 g/l) at 20 °C: ~ 11.6**- Melting point/freezing point:** Not determined**- Initial boiling point and boiling range:** ≥ 100 °C**- Flash point:** Product is non-flammable nor potentially explosive**- Inflammability (solid, gaseous)** Not applicable.**- Decomposition temperature:** Not determined.**- Self-inflammability:** Product is not selfigniting.**- Explosive properties:** Product is not potentially explosive**- Critical values for explosion:**

Lower:	Not determined.
Upper:	Not determined.

- Vapour pressure at 20 °C: < 23 hPa**- Density at 20 °C** 1.08 g/cm³**- Relative density** Not determined.**- Vapour density** Not determined.**- Evaporation rate** Not determined.**- Solubility in / Miscibility with**

Water: Fully miscible

- Partition coefficient: n-octanol/water: Not determined.**- Viscosity:**

dynamic: Not determined.

kinematic: Not determined.

- 9.2 Other information No further relevant information available.

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(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 5)

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Exothermic reactions with acids.
Reacts with light alloys to form hydrogen
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Light metals, acids, ammonium compounds.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.
 - **LD/LC50 values that are relevant for classification:**
- | | | |
|-----------------------------------|------|------------------|
| 1310-73-2 sodium hydroxide | | |
| Oral | LD50 | 2000 mg/kg (rat) |
- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
 - **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:

1310-73-2 sodium hydroxide

EC 50 / 48 h 40.4 mg/l (shellfish)

LC 50 / 96 h 33 - 196 mg/l (fish)

- 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 6)

- Ecotoxical effects:

- **Remark:** Harmful effect on fish, plankton and other waterorganism by pH shift possible.

- Additional ecological information:

- General notes:

The product contains no organic complexing agents, which are not biodegradable (DOC elimination > 80 % within 28 d)

The product contains no organic halogen compounds (AOX).

Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 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

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

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

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- **Uncleaned packagings:** Disposal must be made according to official regulations.

- Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

* SECTION 14: Transport information

- 14.1 UN-Number

- **ADR, IMDG, IATA**

UN1719

- 14.2 UN proper shipping name

- **ADR**

1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

- **IMDG, IATA**

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

- 14.3 Transport hazard class(es)

- **ADR**

- **Class**

8 (C5) Corrosive substances.
Corrosive substances.

- **Label**

8

- **IMDG, IATA**

- **Class**

8 Corrosive substances.

- **Label**

8

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name TP 100 Forte

(Contd. of page 7)

- 14.4 Packing group	II
- ADR, IMDG, IATA	
- 14.5 Environmental hazards:	Not applicable.
- Marine pollutant:	No
- 14.6 Special precautions for user	Warning: Corrosive substances.
- Kemler Number:	80
- EMS Number:	F-A,S-B
- Segregation groups	Alkalis
- Stowage Category	A
- Segregation Code	SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- Transport category	2
- Tunnel restriction code	E
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Código E4 Cantidad neta máxima por envase interior: 30 ml. Cantidad neta máxima por embalaje exterior: 500 ml.
- UN "Model Regulation":	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, II

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



GHS05

- Signal word Danger
- Hazard-determining components of labelling:
alkyl poly ethylene glycol ether
sodium hydroxide
- Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

(Contd. on page 9)

Safety data sheet

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Printing date 27.01.2020

Version number 207

Revision: 27.01.2020

Trade name TP 100 Forte

(Contd. of page 8)

- Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor/-if you feel unwell.
 P321 Specific treatment (see on this label).

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**- National regulations****- Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- VOC: < 1 % volatile organic compounds (Council Directive 2010/75/EC).**- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- Application: Directions for use: please refer to the Technical Information Sheet**- Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

- Department issuing data specification sheet: see item 1: Informing department**- Abbreviations and acronyms:**

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

- * Data compared to the previous version altered.