Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.11.2024 Version number 308.06 (replaces version 308.05) Revision: 21.11.2024

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

1.1 Product identifier

Trade name Natriumhypochloritlösung (Cl ≥ 150g/l)

Article number: 1000408600001
CAS Number: 7681-52-9
EINECS Number: 231-668-3
REACh-Registration number 01-2119488154-34
UFI: 82E1-T0V2-0005-5DGR

1.2 Relevant identified uses of the substance or mixture and uses advised against
For details on the identifiable uses according to EC-regulation No. 1907/2006 see annex of this safety data sheet.
Restrictions on use:
Restrictions on use according to REGULATION (EC) No 1907/2006 ANNEX XVII apply to this product (see section 15).
Application of the substance / the mixture biocidal active substance

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve
Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim
Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o. i S.S.K., ul. Obornicka 277, PL - 60-691 Poznań
Tel.: +48 61 666 10 66, zamowienia@stockmeier.pl

STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

STOCKMEIER NETHERLANDS B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk
Tel.: +31 180 41 5988, info@stockmeier.nl

STOCKMEIER Chemie Austria, Ricoweg 32b, AT - 2351 Wiener Neudorf
Tel.: +43 2236 623-40, office@stockmeier.at

KEMTAN AG, Seewenweg 6, CH – 4153 Reinach
Tel.: +41 61 711 20 20, info@kemtan.ch

STOCKMEIER CHEMICALS BELUX SA/NV, Rue de la Station 17, BE – 1300 Limal
Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien
Tel.: +43 15 32 0 999, office@hds-chemie.at
---
www.stockmeier.com

Informing department:
Product safety department. Tel.: 0049 / 521 / 3037-381
E-mail: ehs-bielefeld@stockmeier.de

(Contd. on page 2)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 1)

1.4 Emergency telephone number:
This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.
Counselling Centre for Poisoning, Mainz
Tel. (+49) 61 31 / 19 240.

*
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. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 2	H411 Toxic 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 GHS09

Signal word Danger

Hazard-determining components of labelling:
sodium hypochlorite, solution
Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P310	Immediately call a POISON CENTER/doctor.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
According to the current state of knowledge, no synthetic polymer microparticles > 0.01% are contained.
EUH031 Contact with acids liberates toxic gas.
2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

(Contd. on page 3)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.11.2024 Version number 308.06 (replaces version 308.05) Revision: 21.11.2024

Trade name Natriumhypochloritlösung (Cl ≥ 150g/l)

(Contd. of page 2)

Determination of endocrine-disrupting properties Not applicable.

*
SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description:
Mixture of the following substances with non-hazardous additions.
Natriumhypochloritlösung mit ≥ 150 g/l Aktivchlor.

Dangerous components:		
CAS: 7681-52-9 EINECS: 231-668-3 Reg.nr.: 01-2119488154-34	sodium hypochlorite, solution Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); STOT SE 3, H335, EUH031 Specific concentration limit: EUH031: C ≥ 5 %	≥10-<20%
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 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % substance with a Community workplace exposure limit	<2,5%

SVHC
This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.
Additional information
For the wording of the listed hazard phrases refer to section 16.
Sodium hypochlorite: M-factor (Aquatic Acute)=10, M-factor (Aquatic Chronic)=1

SECTION 4: First aid measures

4.1 Description of first aid measures
General advice:
Instantly remove any clothing soiled by the product.
If unconscious, position and transport in stable lateral position.
After inhalation Supply fresh air; consult doctor in case of symptoms.
After skin contact
Rinse immediately with plenty of water. Cover wound with a sterile dressing. 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. Drink plenty of water. Call for medical help.
Information for doctor
Local treatment of irritation symptoms. Do not induce vomiting. Risk of stomach rupture. If respiratory irritation occurs, inhale 5 strokes of a metered dose aerosol containing dexamethasone every 10 minutes until symptoms subside. However, if pulmonary oedema is expected, then often latency of up to 2 days with few symptoms. Strict bed rest. Infection prophylaxis. Oxygen supply if necessary.
4.2 Most important symptoms and effects, both acute and delayed
Burning effect and pain to eyes, skin and mucous membranes of nose or throat. Cough.
Breathing difficulty
Danger Danger of pulmonary oedema.

(Contd. on page 4)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 3)

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 Match firefighting to surrounding fire
5.2 Special hazards arising from the substance or mixture
The product reacts with acids to form toxic chlorine gas.
The product is highly corrosive.
In contact with heavy metals, their compounds and alloys, sodium hypochlorite decomposes with oxygen evolution.
5.3 Advice for firefighters
Protective equipment: Wear full protective suit with self-contained breathing apparatus.
Additional information
Cool endangered containers in the vicinity with a water spray jet.
Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Put on protective equipment and keep unprotected persons away.
Ensure adequate ventilation
In case of release of chlorine gas, put on self-contained breathing apparatus.
6.2 Environmental precautions:
Do not allow to enter drainage system, surface or ground water.
Damp down gases/fumes/haze with water spray jet.
In case of release of larger quantities, inform competent authorities.
6.3 Methods and material for containment and cleaning up:
Absorb with inert absorbent material (sand, diatomite, acid binders, universal binders).
Dispose of contaminated material as waste according to item 13.
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/extraction at the workplace.
Prevent eye and skin contact.
Keep containers tightly closed.
Store only in the original packaging.
Information about protection against explosions and fires: No special measures required.
7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and containers:
Observe laws and regulations on the storage and use of substances hazardous to water.
Never seal containers, tanks and pipe systems gas-tight, as there is a risk of bursting due to constant gas development.
Protect product from sunlight, heat and contamination (e.g. dust) --> strong decomposition.
Do not use containers/pipes made of steel, copper, nickel, zinc or light metals (aluminium) --> risk of fire

(Contd. on page 5)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 4)

and explosion.Never seal containers, tanks and pipe systems gas-tight, as there is a risk of bursting due to constant gas development.
Protect product from sunlight, heat and contamination (e.g. dust) --> strong decomposition.
Do not use containers/pipes made of steel, copper, nickel, zinc or light metals (aluminium) --> risk of fire and explosion.
Information about storage in one common storage facility:
Do not store together with acids.
Store away from flammable substances.
Store away from reducing agents.
Provide separate collection facilities.
Further information about storage conditions:
Protect from heat and direct sunlight.
Do not seal container gastight.
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

8.1 Control parameters

Components with critical values that require monitoring at the workplace:	
1310-73-2 sodium hydroxide	
MAK (Germany)	vgl.Abschn.IIb

DNELs		
7681-52-9 sodium hypochlorite, solution		
Oral	DNEL (population)	0,26 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	0,5 % wt. (Long-term, local effects)
	DNEL (population)	0,5 % wt. (Long-term, local effects)
Inhalative	DNEL (worker)	1,55 mg/m³ (Long-term - systemic + local effects)
		3,1 mg/m³ (Acute - systemic + local effects)
	DNEL (population)	1,55 mg/m³ (Long-term - systemic + local effects)
		3,1 mg/m³ (Acute - systemic + local effects)
1310-73-2 sodium hydroxide		
Inhalative	DNEL (worker)	1 mg/m³ (Long-term, local effects) (most sensitive endpoint: Irritation)
	DNEL (population)	1 mg/m³ (Long-term, local effects)

PNECs	
7681-52-9 sodium hypochlorite, solution	
PNEC water	0,00021 mg/l (freshwater)
	0,000042 mg/l (Seawater)
	0,00026 mg/l (intermittent releases)
PNEC STP	4,69 mg/l (sewage plant)

Ingredients with biological limit values:

Additional Occupational Exposure Limit Values for possible hazards during processing:	
7782-50-5 chlorine	
AGW (Germany)	Long-term value: 1,5 mg/m³, 0,5 ppm 1(I);DFG, EU, Y
IOELV (EU)	Short-term value: 1,5 mg/m³, 0,5 ppm

(Contd. on page 6)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 5)

Additional information:
The lists that were valid during the compilation were used as basis.
Chlorine (gas) is only released from the product in negligible quantities under normal conditions, but contact with acids leads to mass release, which is dangerous to life.

8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as 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:
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Recommended filter device for short term use: Combination filter B-P2
Hand protection
Protective gloves (EN 374).
Check protective gloves prior to each use for their proper condition.
Material of gloves
PVC gloves
Butyl rubber, BR
Nitrile rubber, NBR
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.
Penetration time of glove material
Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Change gloves if notice sign of disenchantment.
For the permanent contact gloves made of the following materials are suitable:
Polyvinyl chloride (PVC), 0,7 mm coating thickness (recommended: protective index 6, corresponding > 480 minutes of permeation time according to EN 374)
Nitrile rubber (NBR), 0,4 mm coating thickness (recommended: protective index 6, corresponding > 480 minutes of permeation time according to EN 374)
Eye/face protection Tightly sealed safety glasses.
Body protection:
Standard protective work clothing. Chemical resistant safety shoes or boots. If skin contact may occur, wear impermeable protective clothing for this solution.

*
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information

Physical state	Fluid
Colour:	Yellow
Smell:	Characteristic
Odour threshold:	Not determined.

(Contd. on page 7)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.11.2024 Version number 308.06 (replaces version 308.05) Revision: 21.11.2024

Trade name Natriumhypochloritlösung (Cl ≥ 150g/l)

(Contd. of page 6)

Melting point/freezing point:	<-20 °C
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Product is non-flammable nor potentially explosive (lowest level for individual components)
Auto-ignition temperature:	Not determined.
Decomposition temperature:	13,5
pH at 20 °C	
pH-value:	
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
Density and/or relative density	
Density at 20 °C	1,22 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	Die Lösung enthält ca. 13 M-% Aktivchlor.
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not potentially explosive
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	May be corrosive to metals.

(Contd. on page 8)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 7)

Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity see section 10.3
10.2 Chemical stability
Thermal decomposition / conditions to be avoided:
Bereits bei Raumtemperatur erfolgt regelmäßig stetige, geringe Zersetzung unter Freisetzung von Sauerstoff. Die Zersetzung wird gefährlich verstärkt durch Erwärmung, Sonnenlicht oder Verunreinigungen.
10.3 Possibility of hazardous reactions
Many metals, such as iron, zinc and aluminium, are attacked, partly releasing flammable, explosive hydrogen gas.
Violent reaction with reducing agents.
On contact with acids, large quantities of toxic chlorine gas are released under strong heating.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials:
Acids
Reducing agent
10.6 Hazardous decomposition products:
Development of toxic chlorine gas during reaction with acids.
Formation of sodium chlorate during thermal decomposition.
Additional information: Sensitive to light.

*
SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:		
Oral	LD50	5800 mg/kg (mouse)

7681-52-9 sodium hypochlorite, solution		
Oral	LD50	1100 mg/kg (rat) (OCED 401)
Dermal	LD50	>20000 mg/kg (rabbit) (OECD 402)
Inhalative	LC 50 / 1 h	10,5 ppm (rat) (OECD 403)

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.
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.
Germ cell mutagenicity:
Ames test: Negative

(Contd. on page 9)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 8)

Although the substance showed a mutagenic effect in various test systems on microorganisms and cell cultures, this could not be confirmed in tests on mammals.

Carcinogenicity:
In Langzeitstudien an Ratte und Maus wirkte der Stoff bei Gabe im Trinkwasser nicht krebserzeugend.

Reproductive toxicity:
No data available
The chemical structure does not give rise to any suspicion of such an effect.

Additional toxicological information:
If chlorine is released (by acid action), severe inflammatory irritation or chemical burns of the upper, but also of the deeper respiratory tract may occur. There is a risk of pulmonary oedema.
Laryngeal oedema possible in case of extreme exposure. Concentrations of 0.5-1 vol.% in the respiratory air have a rapidly lethal effect.

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

*
SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
LC 50 / 96 h	6-32 mg/l (fish)
	2,1 mg/l (Daphnia)
EC 50 / 48 h	0,4 mg/l (Algae)

7681-52-9 sodium hypochlorite, solution	
LC 50 / 96 h	0,01-0,1 mg/l (fish)
EC 50 / 48 h	0,01-0,1 mg/l (Aquatic invertebrates)
NOEC	0,04 mg/l (fish) (28 d)
	0,007 mg/l (Aquatic invertebrates) (15 d)
	0,0021 mg/l (Algae) (7 d)
1310-73-2 sodium hydroxide	
LC 50 / 96 h	196 mg/l (fish)
EC 50 / 48 h	40,4 mg/l (Crustacea)

12.2 Persistence and degradability
Inorganic product, is not removable from water by biological cleaning process

12.3 Bioaccumulative potential
No bioaccumulation
The product decomposes quickly in the soil or water.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark:
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful to fish, plankton and other waterorganism, caused by pH-shift and release of chlorine.

(Contd. on page 10)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 9)

Additional ecological information:
AOX-indication: The substance/product may have a halogenating effect and thus contribute to the AOX.
General notes:
Danger to drinking water if even small quantities leak into soil.
Water hazard class 2 (Self-assessment): hazardous for water.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.
Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated under adherence to official regulations.
Waste disposal key number:
Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.
Uncleaned packagings: Disposal in accordance with official regulations.
Recommendation:
L e v e l o p m e n t : After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!
Other containers: Empty completely and clean for reconditioning or reprocessing.
Recommended cleaning agent: Water, if necessary with cleaning agent.

*
SECTION 14: Transport information

14.1 UN number or ID number	
ADR/RID, IMDG, IATA	UN1791
14.2 UN proper shipping name	
ADR/RID	1791 HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS
IMDG	HYPOCHLORITE SOLUTION (SODIUM HYDROXIDE, sodium hypochlorite, solution), MARINE POLLUTANT
IATA	HYPOCHLORITE SOLUTION
14.3 Transport hazard class(es)	
ADR/RID	
Class	8 (C9) Corrosive substances.
Label	8
IMDG, IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group	
ADR/RID, IMDG, IATA	II

(Contd. on page 11)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 10)

14.5 Environmental hazards:	Product contains environmentally hazardous substances: sodium hypochlorite, solution
Marine pollutant:	Yes
	Symbol (fish and tree)
Special marking (ADR/RID):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Corrosive substances.
Kemler Number:	80
EMS Number:	F-A,S-B
Segregation groups	(SGG18) Alkalis
Stowage Category	A
Segregation Code	SG22 Stow "away from" ammonium salts
	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR/RID	
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
Remarks:	Behälter nur mit Lüftungseinrichtungen
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Código E4
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1791 HYPOCHLORITE SOLUTION, 8, II, ENVIRONMENTALLY HAZARDOUS

*
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 GHS09

Signal word Danger

Hazard-determining components of labelling:
sodium hypochlorite, solution
Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

(Contd. on page 12)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 11)

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P310	Immediately call a POISON CENTER/doctor.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category E1 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)
None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

REGULATION (EU) 2019/1148

Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

National regulations
Information about limitation of use:
Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning young persons must be observed.
VOC: enthält keine flüchtigen organischen Verbindungen gemäß EG Richtlinie 1999/13.

Other regulations, limitations and prohibitive regulations
Instruction sheet BG Chemie: BGI 595 "Irritant substances/corrosive substances" formerly M 004
BG-Merkblatt M004: 'Reizende Stoffe / Ätzende Stoffe'.

Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients is listed.

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.
This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Application: Use biocidal products with care. Always read the label and product information before use.

(Contd. on page 13)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

(Contd. of page 12)

Registration-Number
Relevant phrases
Complete wording of hazard statements and risk phrases (H-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.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.

Department issuing data specification sheet: See section 1.3: Responding area
Date of previous version: 27.04.2023
Version number of previous version: 308.05
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 Organisation
LEV. Local Exhaust Ventilation
RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
ADR: Accord relatif au transport international 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
SVHC: Substance of Very High Concern
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
*** Data compared to the previous version altered.**
ANNEX
Exposure Scenarios:
Use in formulations
Use as an intermediate
Use in waste water treatment
Use for industrial cleaning
Use in cleaning agents