GB



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

Printing date 25.01.2024 Version number 2.03 (replaces version 2.02) Revision: 25.01.2024 1 Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier CHLORODES 100 Trade name: 99980000612 · Article number: · 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 Chlorinated cleaning agent 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Tensio Doornpark 36 9120 Beveren Belgium Tel.: +32 3 755 48 74 Fax.: +32 3 755 51 55 e-mail: info@tensio.be · Further information obtainable from: Product Safety Departement: SDS@tensio.be · 1.4 Emergency telephone number: België / Belgique: Antigifcentrum / Centre Antipoison : +32 70 245 245 Nederland: Nationaal Vergiftigingen Informatie Centrum : +31 30 274 88 88 Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111 In Scotland: NHS 24 - dial 111 +3237554874 2 Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Skin Corr. 1A 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 GB CLP regulation. (Contd. on page 2)



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Hazard pictograms		(Contd. of page ?
	GHS05 GHS	09
Signal word	Danger	
Hazard-determining		
components of labelling:	sodium hypoch	lorite, solution
	potassium hydr	oxide
Hazard statements	H314 Causes s	evere skin burns and eye damage.
	H410 Very toxic	to aquatic life with long lasting effects.
Precautionary statements	P260	Do not breathe dusts or mists.
,	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/ey protection/face protection/hearing protection.
	P303+P361+P3	353 IF ON SKIN (or hair): Take off immediately a contaminated clothing. Rinse skin with water [c shower].
	P305+P351+P3	338 IF IN EYES: Rinse cautiously with water fo several minutes. Remove contact lenses, present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment (see on this label).
	P405	Store locked up.
	P501	Dispose of contents/container in accordanc with local/regional/national/internationa regulations.
Additional information: 2.3 Other hazards	EUH031 Contact with acids liberates toxic gas.	
Results of PBT and vPvB as	sessment	
PBT:	Not applicable.	
vPvB:	Not applicable.	

3.2 Mixtures Description:	Mixture of substances listed below with nonhazardous	additions.
Dangerous components:		
CAS: 7681-52-9 EINECS: 231-668-3 Reg.nr.: 01-2119488154-34- XXXX	sodium hypochlorite, solution Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); → Acute Tox. 4, H302, EUH031 Specific concentration limit: EUH031: C ≥ 5 %	≥10-<259



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CAS: 1310-58-3	potassium hydroxide	≥2–≤2.5%
EINECS: 215-181-3	🔗 Skin Corr. 1A, H314; 伙 Acute Tox. 4, H302	
Reg.nr.: 01-2119487136-33-	Specific concentration limits:	
XXXX	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 %	
· Additional information:	For the wording of the listed hazard phrases refer to	section 16.
4 First aid measures		
• 4.1 Description of first aid mea	asures	
General information:	Immediately remove any clothing soiled by the produ	ct.
· After inhalation:	In case of unconsciousness place patient stably in s	ide position fo
	transportation.	
· After skin contact:	Immediately wash with water and soap and rinse tho	roughly.
· After eye contact:	Rinse opened eye for several minutes under runnir consult a doctor.	ng water. The
· After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately.	
· 4.2 Most important symptoms		
and effects, both acute and		
anu enecis, doin acute anu		
delayed	Skin contact: burns, pain, redness.	
-	<i>Skin contact: burns, pain, redness.</i> <i>Eye contact: lesions, irritations, pain, tearing, rednes.</i>	S.
-	•	S.
-	Eye contact: lesions, irritations, pain, tearing, rednes	S.
-	<i>Eye contact: lesions, irritations, pain, tearing, rednes</i> <i>Inhalation: malaise, dizziness</i>	S.
delayed	<i>Eye contact: lesions, irritations, pain, tearing, rednes</i> <i>Inhalation: malaise, dizziness</i>	S.

### 5 Firefighting measures

<ul> <li>5.1 Extinguishing media</li> <li>Suitable extinguishing agents:</li> <li>5.2 Special hazards arising from the substance or</li> </ul>	Use fire extinguishing methods suitable to surrounding conditions.
mixture	In case of fire, the following can be released:
	During heating or in case of fire poisonous gases are produced.
<ul> <li>5.3 Advice for firefighters</li> </ul>	
<ul> <li>Protective equipment:</li> </ul>	Mouth respiratory protective device.
• Additional information	Cool endangered receptacles with water spray.
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	(Contd. of page 3) Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not ente the sewage system.
6 Accidental release meas	sures
· 6.1 Personal precautions,	
protective equipment and	
emergency procedures	Mount respiratory protective device.
	Wear protective equipment. Keep unprotected persons away.
· 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.
<ul> <li>6.3 Methods and material feature</li> </ul>	
containment and cleaning	<b>up:</b> Absorb with liquid-binding material (sand, diatomite, acid binders
	universal binders, sawdust).
	Use neutralising agent.
	Dispose contaminated material as waste according to section 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 disposal information.

#### 7 Handling and storage · 7.1 Precautions for safe handling Do not seal receptacles gas-tight. Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. · Information about fire - and explosion protection: Keep respiratory protective device available. · 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Provide ventilation for receptacles. Store in a cool location. (Contd. on page 5)



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<ul> <li>Information about storage in</li> </ul>				
one common storage facility:	Do not store together with acids.			
· Further information about	Ũ			
storage conditions:	Keep container tightly sealed.			
· 7.3 Specific end use(s)	No further relevant information available.			
8 Exposure controls/personal protection				
. 9.1 Control noromotoro				
· 8.1 Control parameters				
<ul> <li>Ingredients with limit values that require monitoring at the workplace:</li> </ul>				
CAS: 1310-58-3 potassium hydroxide (≥2–≤2.5%)				

WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>

· Additional information: The lists valid during the making were used as basis.

- <sup>•</sup> 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 foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. In case of brief exposure or low pollution use respiratory filter · Respiratory protection: device. In case of intensive or longer exposure use self-contained respiratory protective device. Synthetic rubber gloves

· Hand protection



PVC or PE gloves

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 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.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. (Contd. on page 6)



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Eye/face protection



Use protective suit.

Tightly sealed goggles

Body protection:

9 Physical and chemical properties · 9.1 Information on basic physical and chemical properties · General Information · Physical state Fluid · Colour: Light yellow · Odour: Characteristic · Odour threshold: Not determined. · Melting point/freezing point: Undetermined. · Boiling point or initial boiling point and boiling range Undetermined. · Flammability Not applicable. · Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: Not applicable. · Decomposition temperature (SADT): Not determined. · pH at 20 °C 11.5 · Viscosity: · Kinematic viscosity Not determined. · Dynamic: Not determined. · Solubility · water: Fully miscible. · Partition coefficient n-octanol/water (log Not determined. value) Vapour pressure at 20 °C: 23 hPa · Density and/or relative density 1.188 g/cm<sup>3</sup> · Density at 20 °C: · Relative density Not determined. Not determined. · Vapour density · 9.2 Other information · Appearance: · Form: Fluid · Important information on protection of health and environment, and on safety. · Ignition temperature: Product is not selfigniting. Product does not present an explosion hazard. • Explosive properties: · Solvent content: 0.00 % · VOC (EC) (Contd. on page 7)



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Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical haz	ard	
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	Void	
Desensitised explosives	Void	

#### 10 Stability and reactivity

<ul> <li>10.1 Reactivity</li> <li>10.2 Chemical stability</li> <li>Thermal decomposition /</li> </ul>	No further relevant information available.
conditions to be avoided:	No decomposition if used according to specifications.
<ul> <li>10.3 Possibility of hazardous</li> </ul>	
reactions	Reacts with acids releasing chlorine.
	Corrosive action on metals.
<ul> <li>10.4 Conditions to avoid</li> </ul>	No further relevant information available.
<ul> <li>10.5 Incompatible materials:</li> </ul>	No further relevant information available.
· 10.6 Hazardous	
decomposition products:	Chlorine compounds

#### 11 Toxicological information

 $\cdot$  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 relevant for classification:

#### ATE (Acute Toxicity Estimates)

Oral LD50 5,321 mg/kg (rat)

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	(Contd. of page 7)
Skin corrosion/irritation	Causes severe skin burns and eye damage.
· Serious eye damage/irrita	tion Causes serious eye damage.
11.2 Information on other	hazards
· Endocrine disrupting prop	perties
None of the ingredients is lis	sted.
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.
12.5 Results of PBT and v	
· PBT:	Not applicable.
· vPvB:	Not applicable.
<sup>•</sup> 12.6 Endocrine disrupting	
properties	The product does not contain substances with endocrine disrupting
	properties.
· 12.7 Other adverse effects	5 · · · ·
· Remark:	Very toxic for fish
	Toxic for fish
<ul> <li>Additional ecological info</li> </ul>	rmation:
· 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.
	Must not reach sewage water or drainage ditch undiluted or unneutralised.
	Danger to drinking water if even small quantities leak into the ground.
	Also poisonous for fish and plankton in water bodies.
	The surfactants ingredients of the product are biodegradable according to the requirements of regulation 648/2004/EC.
	Very toxic for aquatic organisms
	Toxic for aquatic organisms
	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.
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Packaging may be reused or recycled after cleaning. Empty contaminated packagings thoroughly. They may be recycle after thorough and proper cleaning.
Water, if necessary together with cleansing agents.

· 14.2 UN proper shipping name	
ADR	UN3266 CORROSIVE LIQUID, BASIC,
	INORGANIC, N.O.S. (sodium hypochlorite,
	solution, SODIUM HYDROXIDE SOLUTION),
	ENVIRONMENTALLY HAZARDOUS
IMDG, IATA	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
	(sodium hypochlorite, solution, SODIUM
	HYDROXIDE SOLUTION)
Class	8 Corrosive substances.
Label	8
ADR, IMDG, IATA	11

· Class	8 Corrosive substances.
· Label	8
· ADR, IMDG, IATA	11
<ul> <li>14.5 Environmental hazards:</li> </ul>	
· Marine pollutant:	No
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Corrosive substances.
<ul> <li>Hazard identification number (Kemler code)</li> </ul>	: 80
· EMS Number:	F-A,S-B
· Segregation groups	(SGG18) Alkalis
· Stowage Category	В
· Stowage Code	SW2 Clear of living quarters.
· Segregation Code	SG35 Stow "separated from" SGG1-acids
<ul> <li>14.7 Maritime transport in bulk according to</li> </ul>	
IMO instruments	Not applicable.
<ul> <li>Limited quantities (LQ)</li> </ul>	1L
<ul> <li>Excepted quantities (EQ)</li> </ul>	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
<ul> <li>Transport category</li> </ul>	2
<ul> <li>Tunnel restriction code</li> </ul>	E
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			(Contd. of page 9
Limited quantities (LQ)		1L October 50	
Excepted quantities (EQ) UN "Model Regulation":		Maximum net quanti UN 3266 CORF	ity per inner packaging: 30 ml ity per outer packaging: 500 ml ROSIVE LIQUID, BASIC, S. (SODIUM HYPOCHLORITE)
	SOLUTION, SODIUM HYDROXIDE SOLUTION),		
		8, II, ENVIRONMEN	TALLY HAZARDOUS
Regulatory information			
15.1 Safety, health and envi mixture	ironmental regulat	ions/legislation sp	ecific for the substance or
Poisons Act			
Regulated explosives precu	irsors		
None of the ingredients is list			
Regulated poisons			
None of the ingredients is list	ed.		
Reportable explosives prec	ursors		
None of the ingredients is liste	ed.		
Reportable poisons			
CAS: 7681-52-9 sodium hype	ochlorite, solution		Listed
CAS: 1310-58-3 potassium h	ydroxide		17% of total caustic alkalinity
Labelling according to Regulation (EC) No 1272/20	08 The product is	classified and labe	elled according to the GB CLF
,	regulation.		
Hazard pictograms			
	GHS05 GHS0	)9	
Signal word	Danger		
Hazard-determining			
components of labelling:	sodium hypochl potassium hydro		
Hazard statements	H314 Causes se	evere skin burns and to aquatic life with l	
Precautionary statements	P260 P273	Do not breathe a Avoid release to	lusts or mists. the environment.
	P280	•	gloves/protective clothing/eye rotection/hearing protection.
	P303+P361+P3	53 IF ON SKIN (or contaminated clo	hair): Take off immediately al othing. Rinse skin with water [or
		shower].	(Contd. on page 11



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	P305+P351+P33	(Contd. of page 10) 8 IF IN EYES: Rinse cautiously with water for	
	P310 P321	several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label).	
	P405	Specific treatment (see on this label). Store locked up.	
	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 ingra	dianta in listad	
Seveso category	None of the ingredients is listed.		
Qualifying quantity (tonnes) for the application of lower-	E1 Hazardous to the Aquatic Environment		
tier requirements	200 t		
Qualifying quantity (tonnes)			
for the application of upper-			
tier requirements	500 t		
15.2 Chemical safety			
assessment:	A Chemical Safe	ty Assessment has not been carried out.	

#### 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.

<sup>.</sup> Relevant phrases	H302	Harmful if swallowed.
Nelevant pinases	H314	Causes severe skin burns and eye damage.
	H315	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	EUH031	Contact with acids liberates toxic gas.
· Contact:	Wim Lar	npaert
	MSc Che	emistry
· Abbreviations and acronyms:		
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	LD50: Lethal dose, 50 percent
	PBT: Persistent, Bioaccumulative and Toxic
	vPvB: very Persistent and very Bioaccumulative
	ATE: Acute toxicity estimate values
	Acute Tox. 4: Acute toxicity – Category 4
	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
	Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard Category 1
	Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aqua hazard – Category 1
	Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aqua hazard – Category 2
• * Data compared to the	
previous version altered.	
previous version altered.	

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