SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Chemipro OXI

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

1.1. Product identifier

Product name : Chemipro OXI
Synonyms : disodium carbonate, compound with hydrogen peroxide (2:3); sodium carbonate peroxyhydrate; sodium carbonate peroxyhydrate (2:3), slightly oxidizing
Registration number REACH : 01-2119457268-30
Product type REACH : Substance/mono-constituent

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

1.2.1 Relevant identified uses

Detergent according to Regulation (EC) No 648/2004
Bleaching agent

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Brouwland
Korspelsesteenweg 86
B-3581 Beverlo
☎ +32 11 40 14 08
quality@brouwland.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Ox. Sol.	category 3	H272: May intensify fire; oxidiser.
Acute Tox.	category 4	H302: Harmful if swallowed.
Eye Dam.	category 1	H318: Causes serious eye damage.

2.2. Label elements

Signal word Danger

H-statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

P-statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P501 Dispose of container in accordance with local regulation.

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
disodium carbonate, compound with hydrogen peroxide (2:3) 01-2119457268-30	15630-89-4 239-707-6	C≥90 %	Ox. Sol. 3; H272 Acute Tox. 4; H302 Eye Dam. 1; H318	(1)(8)	Mono-constituent
sodium carbonate	497-19-8 207-838-8	C≤10 %	Eye Irrit. 2; H319	(1)	Impurity

(1) For H-statements in full: see heading 16
(8) Specific concentration limits, see heading 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General:
If you feel unwell, seek medical advice.

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Rinse with water. Do not apply (chemical) neutralizing agents without medical advice. Take victim to a doctor if irritation persists.

After eye contact:
Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist.

After ingestion:
Rinse mouth with water. Do not apply (chemical) neutralizing agents without medical advice. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms

After inhalation:
AFTER INHALATION OF DUST: Dry/sore throat. Coughing.

After skin contact:
No effects known.

After eye contact:
Corrosion of the eye tissue.

After ingestion:
Nausea. Vomiting.

4.2.2 Delayed symptoms
No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:
Small fire: Water, Quick-acting ABC powder extinguisher, Quick-acting CO2 extinguisher.
Major fire: Quantities of water.

5.1.2 Unsuitable extinguishing media:
Small fire: Foam.
Major fire: Foam.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed. Decomposes on exposure to temperature rise: oxidation which increases fire hazard.

5.3. Advice for firefighters

5.3.1 Instructions:
If exposed to fire cool the closed containers by spraying with water. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion.

5.3.2 Special protective equipment for fire-fighters:
Gloves (EN 374). Safety glasses (EN166). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: compressed air apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent dust cloud formation, e.g. by wetting. No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Safety glasses (EN166). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the solid spill. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Stop dust cloud by humidifying. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Do not discharge the waste into the drain. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Store in a cool area. Keep container in a well-ventilated place. Keep out of direct sunlight. Store in a dry area. Keep only in the original container. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture.

7.2.3 Suitable packaging material:

Stainless steel, LDPE (Low Density Poly Ethylene).

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 Threshold values

DNEL/DMEL - Workers

disodium carbonate, compound with hydrogen peroxide (2:3)

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	5 mg/m³	
	Long-term local effects dermal	12.8 mg/cm²	
	Acute local effects dermal	12.8 mg/cm²	

sodium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	10 mg/m³	

DNEL/DMEL - General population

disodium carbonate, compound with hydrogen peroxide (2:3)

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects dermal	6.4 mg/cm²	
	Acute local effects dermal	6.4 mg/cm²	

sodium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute local effects inhalation	10 mg/m³	

PNEC

disodium carbonate, compound with hydrogen peroxide (2:3)

Compartments	Value	Remark
Fresh water	0.035 mg/l	
Marine water	0.035 mg/l	
Fresh water (intermittent releases)	0.035 mg/l	
STP	16.24 mg/l	

sodium carbonate

Compartments	Value	Remark
		No data available

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P2. Respiratory protection not required in normal conditions.

b) Hand protection:

Protective gloves against chemicals (EN 374).

- materials (good resistance)

PVC, neoprene, rubber.

c) Eye protection:

Safety glasses. In case of dust production: protective goggles (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Solid
Odour	Odourless
Odour threshold	Not applicable
Colour	White
Particle size	D50 ; 250 µm - 1000 µm
Explosion limits	No data available
Flammability	Not classified as flammable
Log Kow	Not applicable (decomposes)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	Not applicable
Solubility	Water ; 14 g/100 ml ; 20 °C
Relative density	2.01 - 2.16 ; 20 °C ; EU Method A.3
Decomposition temperature	70 °C - 75 °C
Auto-ignition temperature	No data available
Flash point	Not applicable
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	May intensify fire; oxidiser. ; UN RTDG test O1
pH	10.4 - 10.6 ; 10 g/l ; 20 °C

9.2. Other information

Surface tension	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May intensify fire; oxidiser. Basic reaction.

10.2. Chemical stability

Unstable on exposure to heat. Unstable on exposure to moisture.

10.3. Possibility of hazardous reactions

Decomposes slowly: oxidation resulting in increased fire or explosion risk. This reaction is accelerated on exposure to water (moisture) and temperature rise.

10.4. Conditions to avoid

Precautionary measures

Avoid raising dust. Keep away from naked flames/heat.

10.5. Incompatible materials

Combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture.

10.6. Hazardous decomposition products

Reacts with many compounds: oxidation resulting in increased fire or explosion risk. Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		1034 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	Equivalent to EPA OPP 81-2	> 2000 mg/kg	24 h	Rabbit (male / female)	Experimental value	
Inhalation						Data waiving	

sodium carbonate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		2800 mg/kg		Rat (male / female)	Experimental value	
Dermal	LD50	16 CFR 1500. 40	> 2000 mg/kg	24 h	Rabbit	Experimental value	
Inhalation (aerosol)	LC50		2.30 mg/l	2 h	Rat (male)	Experimental value	

Conclusion

Harmful if swallowed.

Not classified as acute toxic in contact with skin

Not classified as acute toxic if inhaled

Corrosion/irritation

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	OECD 405		48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Not irritating	Equivalent to EPA OPP 81-5	4 h		Rabbit	Experimental value	

sodium carbonate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	EPA 16 CFR 1500.42		1; 2; 3; 4; 7; 10; 14 days	Rabbit	Experimental value	
Dermal	Not irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Inhalation (aerosol)	Slightly irritating					Literature	

Conclusion

Causes serious eye damage.

Not classified as irritating to the skin
Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	US EPA	48 h		Guinea pig (male / female)	Experimental value	

sodium carbonate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin						Data waiving	

Conclusion

Not classified as sensitizing for skin
Not classified as sensitizing for inhalation

Specific target organ toxicity

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Dermal								Data waiving
Inhalation								Data waiving

sodium carbonate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral								Data waiving
Dermal								Data waiving
Inhalation (dust)	NOAEL		> 10 mg/m³ air		No effect		Human (male / female)	Experimental value

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Result	Method	Test substrate	Effect	Value determination	Remark
				Data waiving	

sodium carbonate

Result	Method	Test substrate	Effect	Value determination	Remark
Negative	OECD 471	Bacteria (S.typhimurium)		Read-across	

Mutagenicity (in vivo)

Chemipro OXI

No (test)data available

sodium carbonate

Result	Method	Exposure time	Test substrate	Organ	Value determination
					Data waiving

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Unknown								Data waiving

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity								Data waiving
Effects on fertility								Data waiving

sodium carbonate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	Developmental toxicity study	≥ 245 mg/kg bw/day	10 day(s)	Rat	No effect		Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL	Developmental toxicity study	≥ 245 mg/kg bw/day	10 day(s)	Rat	No effect		Experimental value
Effects on fertility								Data waiving

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Chemipro OXI

No (test)data available

Chronic effects from short and long-term exposure

Chemipro OXI

No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Chemipro OXI

No (test)data available

disodium carbonate, compound with hydrogen peroxide (2:3)

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	US EPA	70.7 mg/l	48 h	Pimephales promelas	Semi-static system	Fresh water	Experimental value
Acute toxicity crustacea	EC50	US EPA	4.9 mg/l	48 h	Daphnia pulex	Semi-static system	Fresh water	Experimental value

sodium carbonate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		300 mg/l	96 h	Lepomis macrochirus	Static system	Fresh water	Experimental value; Lethal
Acute toxicity crustacea	EC50		200 mg/l - 227 mg/l	48 h	Ceriodaphnia sp.	Semi-static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EC50		10 mg/l - 100 mg/l		Algae			Estimated value
	NOEC		1 mg/l - 10 mg/l		Algae			Estimated value
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

Biodegradability: not applicable

Hydrolysis in water

12.3. Bioaccumulative potential

Chemipro OXI

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (decomposes)			

disodium carbonate, compound with hydrogen peroxide (2:3)

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (decomposes)			

sodium carbonate

Log Kow

Method	Remark	Value	Temperature	Value determination
		-6.19		Estimated value

Conclusion

Not bioaccumulative

12.4. Mobility in soil

No (test)data on mobility of the substance available

12.5. Results of PBT and vPvB assessment

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

12.6. Other adverse effects

Chemipro OXI

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
16 09 03* (oxidising substances: peroxides, for example hydrogen peroxide). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Should not be landfilled with household waste. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1. UN number

UN number	3378

14.2. UN proper shipping name

Proper shipping name	Sodium carbonate peroxyhydrate

14.3. Transport hazard class(es)

Hazard identification number	50
Class	5.1
Classification code	O2

14.4. Packing group

Packing group	III
Labels	5.1

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1. UN number

UN number	3378

14.2. UN proper shipping name

Proper shipping name	Sodium carbonate peroxyhydrate

14.3. Transport hazard class(es)

Hazard identification number	50
Class	5.1
Classification code	O2

14.4. Packing group

Packing group	III
Labels	5.1

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1. UN number

UN number	3378

14.2. UN proper shipping name

Proper shipping name	Sodium carbonate peroxyhydrate

14.3. Transport hazard class(es)

Class	5.1
Classification code	O2

14.4. Packing group

Packing group	III
Labels	5.1

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14.1. UN number

UN number	3378

14.2. UN proper shipping name

Proper shipping name	sodium carbonate peroxyhydrate

14.3. Transport hazard class(es)

Class	5.1

14.4. Packing group

Packing group	III
Labels	5.1

14.5. Environmental hazards

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	967
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Annex II of MARPOL 73/78	Not applicable

Air (ICAO-TI/IATA-DGR)

14.1. UN number

UN number	3378

14.2. UN proper shipping name

Proper shipping name	Sodium carbonate peroxyhydrate

14.3. Transport hazard class(es)

Class	5.1

14.4. Packing group

Packing group	III
Labels	5.1

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	

Passenger and cargo transport

Limited quantities: maximum net quantity per packaging	10 kg

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	Not applicable (inorganic)

Ingredients according to Regulation (EC) No 648/2004 and amendments

≥30% oxygen-based bleaching agents

European drinking water standards (Directive 98/83/EC)

Chemipro OXI

Parameter	Parametric value	Note	Reference
Sodium	200 mg/l		Listed in Annex I, Part C, of Directive 98/83/EC on the quality of water intended for human consumption.

National legislation Belgium

No data available

National legislation The Netherlands

Waterbezwaarlijkheid	B (2); Algemene Beoordelingsmethodiek (ABM)

National legislation France

No data available

National legislation Germany

WGK	1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
TA-Luft	5.2.1

National legislation United Kingdom

No data available

Other relevant data

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been conducted.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

Specific concentration limits CLP

disodium carbonate, compound with hydrogen peroxide (2:3)	C ≥ 25 %	Eye Dam. 1; H318	ECHA
	7.5 % ≤ C < 25 %	Eye Irrit. 2; H319	ECHA

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information

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