SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

Soda bleach 13

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

1.1. Product identifier

Product name : Soda bleach 13

Synonyms : bleach liquor, solutions, 1%≤conc active chlorine<2.5%; bleach, solutions, 1%≤conc active chlorine<2.5%; chlorine bleach, solutions, 1%≤conc active chlorine<2.5%; chloros, solutions, 1%≤conc active chlorine<2.5%; chlorox, solutions, 1%≤conc active chlorine<2.5%; clorox, solutions, 1%≤conc active chlorine<2.5%; hypochlorous acid, sodium salt; hypochlorous acid, sodium salt, solutions, 1%≤conc active chlorine<2.5%; javelle water, solutions, 1% ≤conc active chlorine<2.5%; javelle's disinfecting liquor, solutions, 1%≤conc active chlorine<2.5%; liquid bleach, solutions, 1%≤conc active chlorine<2.5%; sodium chloride oxide, solutions, 1%≤conc active chlorine<2.5%; sodium hypochlorite; sodium hypochlorite, solution … % Cl active; sodium hypochlorite, solution 1-2.5% Cl active; sodium hypochlorite, solutions, 1%≤conc active chlorine<2.5%; sodium hypochlorite, solutions, 1%≤conc available chlorine<2.5%; sodium oxochlorate(I), solutions, 1%≤conc active chlorine<2.5%; sodium oxychloride, solutions, 1% ≤conc active chlorine<2.5%; surchlor, solutions, 1%≤conc active chlorine<2.5%

Registration number REACH : 01-2119488154-34

Product type REACH : Mixture

CAS number : 7681-52-9

EC index number : 017-011-00-1

EC number : 231-668-3

Molecular mass : 74.44 g/mol

Formula : NaOCl

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

1.2.1 Relevant identified uses

Cleansing product

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

DECKERS NV
Industriepark 47
B-2220 Heist-op-den-berg
☎ +32 15 24 18 78
boekhouding@deckersnv.be

1.4. Emergency telephone number

DECKERS NV :
+32 15 24 18 78

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
Skin Irrit.	category 2	H315: Causes skin irritation.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements



Signal word Warning

H-statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

P-statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

P280	Wear protective gloves, protective clothing and eye protection/face protection.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental information

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
sodium hypochlorite, solution … % Cl active 01-2119488154-34	7681-52-9 231-668-3	1%≤C<2.5%	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031 EUH031: C≥5%, (CLP Annex VI (ATP 13))	(1)(2)(6)(10)	Constituent	M: 10 (Acute, CLP Annex VI (ATP 13)) M: 1 (Chronic, CLP Annex VI (ATP 13))

(1) For H- and EUH-statements in full: see section 16
(2) Substance with a Community workplace exposure limit
(6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:
Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:
Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:
If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

After eye contact:
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:
Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

4.2.1 Acute symptoms

After inhalation:
No effects known.

After skin contact:
Tingling/irritation of the skin.

After eye contact:
Irritation of the eye tissue.

After ingestion:
No effects known.

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:
Adapt extinguishing media to the environment for surrounding fires.

5.1.2 Unsuitable extinguishing media:
Not applicable.

5.2. Special hazards arising from the substance or mixture

On burning: formation of small quantities of hydrogen chloride.

5.3. Advice for firefighters

5.3.1 Instructions:
Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:
Gloves (EN 374). Face shield (EN ISO 16321). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames. Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

6.1.1 Protective equipment for non-emergency personnel
See section 8.2

6.1.2 Protective equipment for emergency responders
Gloves (EN 374). Face shield (EN ISO 16321). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing
See section 8.2

6.2. Environmental precautions

Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. 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 section 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

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

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:
Storage temperature: > 0 °C. Meet the legal requirements. Provide for a tub to collect spills.

7.2.2 Keep away from:
Heat sources, combustible materials, oxidizing agents, (strong) acids, metals, peroxides.

7.2.3 Suitable packaging material:
Synthetic material, polyethylene, glass, stoneware/porcelain.

7.2.4 Non suitable packaging material:
Metal, aluminium, zinc, nickel, tin, iron.

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.

EU

Chlorine	Short time value (Indicative occupational exposure limit value)	0.5 ppm
	Short time value (Indicative occupational exposure limit value)	1.5 mg/m³

Belgium

Chlore	Short time value	0.5 ppm
	Short time value	1.5 mg/m³

The Netherlands

Chloor	Short time value (Public occupational exposure limit value)	0.5 ppm
	Short time value (Public occupational exposure limit value)	1.5 mg/m³

France

Chlore	Short time value (VRC: Valeur réglementaire contraignante)	0.5 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	1.5 mg/m³

Germany

Chlor	Time-weighted average exposure limit 8 h (TRGS 900)	0.5 ppm **(1)**
	Time-weighted average exposure limit 8 h (TRGS 900)	1.5 mg/m³ **(1)**

(1) UF: 1 (I)

Austria

Chlor	Tagesmittelwert (MAK)	0.5 ppm
	Tagesmittelwert (MAK)	1.5 mg/m³
	Kurzzeitwert Mow (MAK)	0.5 ppm
	Kurzzeitwert Mow (MAK)	1.5 mg/m³

UK

Chlorine	Short time value (Workplace exposure limit (EH40/2005))	0.5 ppm
	Short time value (Workplace exposure limit (EH40/2005))	1.5 mg/m³

USA (TLV-ACGIH)

Chlorine	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.1 ppm
	Short time value (TLV - Adopted Value)	0.4 ppm
Sodium Hypochlorite	Short time value (WEEL)	2 mg/m³

b) National biological limit values

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

8.1.2 Sampling methods

Product name	Test	Number
Chlorine	OSHA	ID 101

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

sodium hypochlorite, solution ... % Cl active

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1.55 mg/m³	
	Acute systemic effects inhalation	3.1 mg/m³	
	Long-term local effects inhalation	1.55 mg/m³	
	Acute local effects inhalation	3.1 mg/m³	
	Long-term local effects dermal	0.007 mg/cm²	

DNEL/DMEL - General population

sodium hypochlorite, solution ... % Cl active

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1.55 mg/m³	
	Acute systemic effects inhalation	3.1 mg/m³	
	Long-term local effects inhalation	1.55 mg/m³	
	Acute local effects inhalation	3.1 mg/m³	
	Long-term local effects dermal	0.007 mg/cm²	
	Long-term systemic effects oral	0.26 mg/kg bw/day	

PNEC

sodium hypochlorite, solution ... % Cl active

Compartments	Value	Remark
Fresh water	0.21 µg/l	
Marine water	0.042 µg/l	
STP	4.69 mg/l	
Oral	11.1 mg/kg food	
Fresh water (intermittent releases)	0.26 µg/l	

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

Keep away from naked flames/heat. Measure the concentration in the air regularly. 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:

Full face mask with filter type B at conc. in air > exposure limit.

b) Hand protection:

Protective gloves against chemicals (EN 374).

Materials	Remark
nitrile rubber	Excellent resistance
butyl rubber	Good resistance
neoprene (chloroprene rubber)	Good resistance
PVC	Good resistance

c) Eye protection:

Face shield (EN ISO 16321).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Liquid
Colour	Colourless
Translucency	Clear
Odour	Odourless
Odour threshold	No data available in the literature
Melting point	No data available in the literature
Boiling point	> 100 °C
Flammability	Not classified as flammable
Explosion limits	Not applicable
Flash point	No data available in the literature
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available in the literature
pH	> 11
Kinematic viscosity	No data available in the literature
Dynamic viscosity	No data available in the literature
Solubility	Water ; complete
Log Kow	Not applicable (mixture)
Vapour pressure	No data available in the literature
Absolute density	1050 kg/m³
Relative density	1.05
Relative vapour density	No data available in the literature
Particle size	Not applicable (liquid)

9.2. Other information

Oxidising properties	EU Method A.21

SECTION 10: Stability and reactivity

10.1. Reactivity

Basic reaction.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

Combustible materials, oxidizing agents, (strong) acids, metals, peroxides.

10.6. Hazardous decomposition products

On burning: formation of small quantities of hydrogen chloride.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Test results

Acute toxicity

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients
sodium hypochlorite, solution ... % Cl active

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LC50	Equivalent to OECD 401	8910 mg/kg bw		Rat (male)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 20000 mg/kg bw		Rabbit (male / female)	Experimental value	Aqueous solution
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 10.5 mg/l	1 h	Rat (male)	Experimental value	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Soda bleach 13

No (test)data on the mixture available

Classification is based on the relevant ingredients
sodium hypochlorite, solution ... % Cl active

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	5 % aqueous solution
Eye	Serious eye damage; category 1					Annex VI	
Skin	Slightly irritating	OECD 404	4 h	4; 24; 48; 72 hours	Rabbit	Experimental value	5 % aqueous solution
Skin	Corrosive; category 1B					Annex VI	
Inhalation	Irritating; STOT SE cat.3					Literature study	

Conclusion

Causes skin irritation.

Causes serious eye irritation.

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients
sodium hypochlorite, solution ... % Cl active

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 406			Guinea pig (male / female)	Experimental value	Aqueous solution

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium hypochlorite, solution … % Cl active

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (drinking water)	NOAEL	OECD 408	16.7 mg/kg bw/day	No effect	90 day(s)	Rat (male)	Experimental value	
Oral (drinking water)	NOAEL	OECD 408	24.9 mg/kg bw/day	No effect	90 day(s)	Rat (female)	Experimental value	

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium hypochlorite, solution … % Cl active

Result	Method	Test substrate	Effect	Value determination	Remark
Negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
Ambiguous	Equivalent to OECD 473	CHL/IU cells	No effect	Experimental value	

Mutagenicity (in vivo)

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium hypochlorite, solution … % Cl active

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Intraperitoneal)	Equivalent to OECD 474	4 dose(s)/24-hour interval	Mouse (male)	Bone marrow (no effect)	Experimental value	

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium hypochlorite, solution … % Cl active

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (drinking water)	NOAEL	Equivalent to OECD 453	50 mg/kg bw/day - 57.2 mg/kg bw/day	No carcinogenic effect	104 week(s)	Rat (male / female)	Experimental value	

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Soda bleach 13

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium hypochlorite, solution … % Cl active

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (drinking water))	NOAEL	Equivalent to OECD 414	≥ 5.7 mg/kg bw/day	2.5 month(s)	Rat	No effect	Experimental value	
Effects on fertility (Oral (stomach tube))	NOAEL	Equivalent to OECD 415	≥ 5 mg/kg bw/day		Rat (male / female)	No effect	Experimental value	

Conclusion

Not classified for reprotoxic or developmental toxicity

Aspiration hazard

Soda bleach 13

Judgement is based on the relevant ingredients

Not classified for aspiration toxicity

Toxicity other effects

Soda bleach 13

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soda bleach 13

No effects known.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

Soda bleach 13

No (test)data on the mixture available

Classification is based on the relevant ingredients

sodium hypochlorite, solution ... % Cl active

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		0.032 mg/l	96 h	Salmo sp.	Flow-through system	Salt water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	35 µg/l	48 h	Ceriodaphnia dubia	Flow-through system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	NOEC	OECD 201	0.0054 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	ErC50	OECD 201	0.036 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOEC		0.04 mg/l	28 day(s)	Menidia peninsulae	Flow-through system	Salt water	Experimental value; Nominal concentration
Long-term toxicity aquatic crustacea	NOEC		7 µg/l	15 day(s)	Crassostrea virginica	Flow-through system	Fresh water	Experimental value; Estimated value

Chronic M-factor is debatable as it does not correspond to the most stringent numerical value for chronic ecotoxicity

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Water

Biodegradability: not applicable

12.3. Bioaccumulative potential

Soda bleach 13

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

sodium hypochlorite, solution ... % Cl active

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

Contains component(s) with potential for mobility in the soil

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. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

PMT conclusion

The criteria of PMT and vPvM as listed in Annex I of Regulation (EC) No 1272/2008 do not apply to inorganic substances

Soda bleach 13

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

Water ecotoxicity pH

pH shift

sodium hypochlorite, solution ... % Cl active

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

Water ecotoxicity pH

pH shift

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. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

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. 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 or ID number

Transport	Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	

Rail (RID)

14.1. UN number or ID number

Transport	Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	

Inland waterways (ADN)

14.1. UN number or ID number

UN number/ID number	9006

14.2. UN proper shipping name

Proper shipping name	environmentally hazardous substance, liquid, n.o.s. (sodium hypochlorite, solution … % Cl active)

14.3. Transport hazard class(es)

Class	9
Classification code	M12

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	
Specific mention	Dangerous only when carried in tank vessels.

Sea (IMDG/IMSBC)

14.1. UN number or ID number

Transport	Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Class	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Marine pollutant	
Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Maritime transport in bulk according to IMO instruments

Annex II of MARPOL 73/78	Not applicable, based on available data

Air (ICAO-TI/IATA-DGR)

14.1. UN number or ID number

Transport	Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Class	

14.4. Packing group

Packing group	
Labels	

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	

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)

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Candidate list

Does not contain component(s) included in candidate list of substances of very high concern (SVHC) for authorisation (Article 59 of Regulation (EC) No 1907/2006)

REACH Annex XIV - Authorisation

Does not contain component(s) included in Annex XIV of Regulation (EC) No 1907/2006: list of substances subject to authorisation

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· sodium hypochlorite, solution … % Cl active	Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage”; b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life threatening lung damage”; c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
· sodium hypochlorite, solution … % Cl active	Substances falling within one or more of the following points: (a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008: — carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation — reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation — skin sensitiser category 1, 1A or 1B — skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 — serious eye damage category 1 or eye irritant category 2 (b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council (c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (d) substances listed in Appendix 13 to this Annex. The ancillary requirements in paragraphs 7 and 8 of column 2 of this entry apply to all mixtures for use for tattooing purposes, whether or not they contain a substance falling within points (a) to (d) of this column of this entry.	Mixtures for tattooing purposes are subject to the restrictions of Regulation (EU) 2020/2081

National legislation Belgium

Soda bleach 13

No data available

National legislation The Netherlands

Soda bleach 13

Waterbezwaarlijkheid	A (2); Algemene Beoordelingsmethodiek (ABM)

National legislation France

Soda bleach 13

No data available

National legislation Germany

Soda bleach 13

WGK	Natriumhypochlorit; 2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017

sodium hypochlorite, solution … % Cl active

TRGS900 - Risiko der Fruchtschädigung	Chlor; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

National legislation Austria

Soda bleach 13

No data available

National legislation United Kingdom

Soda bleach 13

No data available

Other relevant data

Soda bleach 13

IARC - classification	3; Hypochlorite salts

sodium hypochlorite, solution … % Cl active

TLV - Carcinogen	Chlorine; A4
IARC - classification	3; Hypochlorite salts

15.2. Chemical safety assessment

No chemical safety assessment has been conducted.

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:

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.
H412 Harmful to aquatic life with long lasting effects.
EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).
EUH031 Contact with acids liberates toxic gas.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BEI	Biological Exposure Indices
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC10	Effect Concentration 10 %
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
GLP	Good Laboratory Practice
HS	Harmonized System of Nomenclature, a standardized international system for classifying goods under the Harmonized System Convention, as drawn up by the World Customs Organization Secretariat
LC0	Lethal Concentration 0 %
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
LOAEC/LOAEL	Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
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

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 does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.