

SAFETY DATA SHEET

Klorfix**Tingstad**

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	13.10.2022
Revision date	07.02.2023

1.1. Product identifier

Product name	Klorfix
UFI	3910-X09Y-X00T-HNC7
Article no.	TP77005, TP77015
Information on the packaging	Type of packaging: Bottle Size of packaging: 1,5 L Material of packaging: Plastic: HDPE Child-resistant packaging: Yes Tactile warnings: Yes Description of the packaging: TP77015 UV protected packaging. Type of packaging: Jerry can Size of packaging: 5 L Material of packaging: Plastic: HDPE Child-resistant packaging: No Tactile warnings: Yes Description of the packaging: TP77005 UV protected packaging.
Extended SDS with ES incorporated	No

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

Use of the substance / mixture	Cleaning agent for e.g. sanitary ware.
Main intended use	PC-CLN-11.1 Bathroom cleaners
Relevant identified uses	SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products)
Industrial use	Yes
Professional use	Yes

Consumer use	No
--------------	----

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	Tingstad Papper AB
Postal address	Marieholmsgatan 1-3
Postcode	415 02
City	Göteborg
Country	Sweden
Contact person	Johanna Ossiansson

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Request for ambulance, poison centre or rescue service
---------------------	--

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Dam. 1; H318
Additional information on classification	For complete wording of H-phrases, see section 16.

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H411 Toxic to aquatic life with long lasting effects. H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 or doctor / physician. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P363 Wash contaminated clothing before reuse. P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P405 Store locked up. P234 Keep only in original packaging. P390 Absorb spillage to prevent material damage.

Supplemental label information	EUH 031 Contact with acids liberates toxic gas.
Other label information (CLP)	Text to be labeled: Contains sodium hypochlorite.

2.3. Other hazards

Other hazards	None known.
---------------	-------------

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type	Mixture			
Formulation type	SL Soluble concentrate			
Substance	Identification	Classification	Contents	Notes
Sodium hydroxide	CAS No.: 1310-73-2	Met. Corr. 1; H314	< 5 %	
	EC No.: 215-185-5	Skin Corr. 1A; H290		
Phosphonobutane tricarboxylic acid	CAS No.: 37971-36-1	Met. Corr. 1; H290	< 5 %	
	EC No.: 253-733-5	Eye Irrit. 2; H319		
	REACH Reg. No.: 012119436643-39			
Sodium hydroxide	CAS No.: 1310-73-2	Met. Corr. 1; H314	< 5 %	
	EC No.: 215-185-5	Skin Corr. 1A; H290		
Substance comments	For complete wording of H-phrases, see section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Rinse nose and mouth with water. Contact physician if the inconvenience persists.
Skin contact	Gently wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth with water and drink a couple glass of water after that. Do not force a vomit. Contact poisoninformation.

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

General symptoms and effects	Irritating to the skin. Causes serious eye damage.
------------------------------	--

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

Separate first aid equipment	Eye rinse bottles should be in the workplace.
------------------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing agents suitable for local conditions and surrounding environment. The product itself does not burn.
------------------------------	---

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Fire can cause evolution of: chlorine, hydrogen chloride gas, chlorine oxides
-------------------------------	---

5.3. Advice for firefighters

Special protective equipment for firefighters	In the event of a fire, use a compressed air device that is independent of the environment as breathing protection. Use appropriate body protection (full suit).
Other information	Cool closed containers exposed to fire with water mist. Contaminated extinguishing water must be collected separately, must not be added to the drain.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.
------------------------------	--

6.2. Environmental precautions

Environmental precautionary measures	Spola inte ut i ytvatten eller avloppssystem. Undvik markpenetration. Om produkten förorenar vattendrag och sjöar eller avlopp informera berörda myndigheter.
--------------------------------------	---

6.3. Methods and material for containment and cleaning up

Clean up	Sug upp med vätskebindande material (sand, kiselgur, syrabindare, universalbindare). Förvara i lämpliga och tillslutna behållare för bortskaffning. Förpackningen får inte tillslutas lufttätt.
----------	---

6.4. Reference to other sections

Other instructions	See also section 8 and 13.
--------------------	----------------------------

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	The cap must be screwed when the can is put down on the floor to prevent splash.
----------	--

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep out of reach of children. May only be stored in its original packaging.
---------	--

Conditions for safe storage

Technical measures and storage conditions	Store in a cool, well-ventilated place. Store in areas with floors resistant to alkali. Store only in the original packaging. Protect from light.
Advice on storage compatibility	Stored separately from food and animal feed. Must not be stored together with acids and ammonium salts.

Additional information on storage conditions	Förpackningen får inte tillslutas lufttätt.
--	---

7.3. Specific end use(s)

Specific use(s)	Bleach and disinfectant.
-----------------	--------------------------

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Safety signs



Eye / face protection

Suitable eye protection	Use tight-fitting protective goggles / face shield if splashing of the product. This also for diluted product.
-------------------------	--

Hand protection

Suitable materials	Butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyethylene (PE), polyvinyl chloride, (PVC) or viton.
Breakthrough time	Value: ≥ 8 hour(s)
Thickness of glove material	Value: $\geq 0,3$ mm
Hand protection, comments	Protective gloves must be replaced at the first sign of wear.

Skin protection

Skin protection remark	Contaminated clothing should be laundered before being returned to service.
------------------------	---

Respiratory protection

Respiratory protection necessary at	steam or aerosol-forming handling.
Recommended type of equipment	Combination filter: B-P2 Combination filter: B-P3 At low vapor concentrations: EN 136. At higher concentrations: EN 137

Appropriate environmental exposure control

Environmental exposure controls	Do not flush into surface water or sewage system. Avoid soil penetration. If the product pollutes waterways and lakes or drains, inform the relevant authorities.
---------------------------------	--

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Physical state	Liquid in room temperature.
State under standard conditions	Liquid
Colour	Yellow-green
Colour intensity	Translucent.
Odour	Chlorine
Odour limit	Comments: Not relevant
pH	Status: In delivery state Value: ~ 11 -12
Melting point / melting range	Reason for waiving data: No data.
Freezing point	Comments: Not tested.
Boiling point / boiling range	Reason for waiving data: No data.
Flash point	Comments: The product is not flammable.
Evaporation rate	Comments: Not tested.
Flammability	The product is not flammable.
Lower explosion limit with unit of measurement	Comments: The product is not explosive.
Upper explosion limit with units of measurement	Comments: The product is not explosive.
Explosion limit	Comments: The product is not explosive.
Vapour pressure	Comments: Not tested.
Vapour density	Comments: Not relevant.
Particle characteristics	Reason for waiving data: Not applicable
Relative density	Comments: Not relevant.
Density	Value: ~ 1,2 g/cm ³ Temperature: 25 °C
Bulk density	Comments: Not relevant.
Solubility	Medium: Water Name: Readily soluble
Partition coefficient: n-octanol/ water	Comments: Not tested.
Auto-ignition temperature	Comments: The product is not flammable.
Decomposition temperature	Comments: The product will not decompose.
Viscosity	Type: Dynamic Reason for waiving data: Not applicable
Explosive properties	The product is not explosive.
Oxidising properties	The product does not oxidize.

9.2. Other information

9.2.2. Other safety characteristics

Comments	The information given in section 9 refers to the mixture.
----------	---

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Evolves toxic gas on contact with acid.
------------	---

10.2. Chemical stability

Stability	Decomposes when heated. Decomposes on exposure to light.
-----------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The product must not be mixed with other cleaning agents or acids.
------------------------------------	--

10.4. Conditions to avoid

Conditions to avoid	Förvaras svalt. Skyddas från solljus.
---------------------	---------------------------------------

10.5. Incompatible materials

Materials to avoid	Acids, ammonium compounds, Acetic anhydride, Organic materials, Hydrogen peroxide, metal salts, Copper, Nickel, Iron.
--------------------	---

10.6. Hazardous decomposition products

Hazardous decomposition products	Hydrogen chloride gas, chlorine, chlorine oxides.
----------------------------------	---

SECTION 11: Toxicological information

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

Other information regarding health hazards

Skin contact	Irritating to the skin.
Eye contact	Causes serious eye damage.
Ingestion	May cause burns in mucous membranes in throat, esophagus and stomach. Vomiting aggravate the injury.
Sensitisation	Contains no allergenic substances.
Carcinogenicity	Comments: Not expected to be carcinogenic.
Reproductive toxicity	Comments: Not expected to be harmful to reproduction.

11.2 Other information

Other information	No toxicological tests are performed on the mixture.
-------------------	--

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Elevated pH gives harmful effect on aquatic organisms. The product is not tested on animals.
-------------	--

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product can be degraded abiotically, e.g. through chemical or photolytic processes. Decomposes upon hydrolysis. Half-life in fresh water <1 day
--	--

12.3. Bioaccumulative potential

Bioaccumulation, comments	No information
---------------------------	----------------

12.4. Mobility in soil

Mobility	No information
----------	----------------

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Constituent substances are not considered to be PBT or vPvB.
------------------------------------	--

12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
---------------------------------	--

12.7. Other adverse effects

Additional ecological information	No ecological test have been performed on the mixture.
-----------------------------------	--

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Follow the authorities and the applicable law recommendations regarding disposal of unused product.
Appropriate methods of disposal for the contaminated packaging	Remove cap before recycling of empty packaging.
EWC waste code	EWC waste code: 200129 detergents containing dangerous substances Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No

SECTION 14: Transport information

Dangerous goods	Yes
-----------------	-----

14.1. UN number

ADR/RID/ADN	1791
IMDG	1791
ICAO/IATA	1791

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	HYPOCHLORITE SOLUTION
ADR/RID/ADN	HYPOCHLORITE SOLUTION
IMDG	HYPOCHLORITE SOLUTION
ICAO/IATA	HYPOCHLORITE SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classification code ADR/RID/ADN	C9

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

ADR/RID/ADN	The product is environmentally hazardous.
-------------	---

14.6. Special precautions for user

Special safety precautions for user	Smoking is prohibited when handling near or inside vehicles and containers. The smoking ban also applies to the use of electronic cigarettes and similar products according to ADR-S 7.5.9.
-------------------------------------	---

14.7. Maritime transport in bulk according to IMO instruments

Product name	HYPOCHLORITE SOLUTION
--------------	-----------------------

Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Limited quantity	Product of 2 x 5 kg in cardboard boxes are transported as limited quantities (LQ).

Transport category	3
Hazard No.	80

IMDG Other information

EmS	F-A, S-B
-----	----------

SECTION 15: Regulatory information

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

Assessed restrictions	Product may not be sold to the public.
Biocides	Yes
Nanomaterial	No
References (laws/regulations)	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending European Parliament and Council Regulation (EC) No 1907/2006 on registration, assessment and approval of and restrictions on chemicals (REACH). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL 16. December 2008 on the classification, labeling and packaging of substances and mixtures, amendments and cancellations of Directives 67/548 / EEC and 1999/45 / EC and the like amending Regulation (EC) No 1907/2006.
Comments	No special rules apply beyond what has already been mentioned.
Declaration No.	629245-2.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No
Exposure scenarios for mixture	No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 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. H411 Toxic to aquatic life with long lasting effects.
Revision justification	Other.
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	2