SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

Compilation date: 15/04/26 **Version:** 6*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1. Product identifier

Product form: Mixture
Trade name: **Thin Bleach, Concentrate**
Product group: Trade product
Product code: **SPD988**

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

1.2.1. Relevant identified uses

Main use category: Professional use
Function or use category: Washing and cleaning products (including solvent based products).

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name:

Spearhead
Southcraig Avenue
Rowallan Business Park
Kilmarnock
KA3 6BQ
Tel: 0345 180 1800
Email: sales@spearheadhealthcare.com

1.4. Emergency Telephone Number

National Poisons Information Service
0344 892 0111
Only for healthcare professionals.
Registration with National Poisons Information Service optional.

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Skin Corr. 1B, Eye Dam. 1: H314
Aquatic Chronic 2, H411

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] and, as amended by GB-CLP Regulation, UK SI 2019/720

Hazard Pictograms (CLP)

Signal word (CLP): Danger.
Hazard statements (CLP): H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP): P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Supplementary precautionary statements (CLP):

P264 Wash contaminated skin thoroughly after handling.
P273 Avoid release to the environment.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
EUH031: Contact with acids liberates toxic gas

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

2.3 Other Hazards

See also section 10: No presence of PBT and vPvB ingredients.

3. Composition/information on ingredients:

Common Name	**CAS No./ EC No.**	**Classification** **According to (EC) 1272/2008 (CLP)**	**Conc (%)**
SODIUM HYPOCHLORITE	7681-52-9 231-668-3	Skin Corr. 1B, H314 Eye Dam. 1, H318 Met. Corr. 1, H290	1 - 5
REACH registration number: 01-2119488154-34-XXXX		Aquatic Acute 1, H400	
SODIUM HYDROXIDE	1310-73-2 215-185-5	Met. Corr. 1, H290 Skin Corr. 1A, H314	0.1 - 1
REACH registration number: 01- 2119457892-27-XXXX		Eye Dam. 1, H318	

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

4. First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: IF INHALED: Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

First-aid measures after skin contact: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention immediately.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for at least 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist immediately if the symptoms persist. When dealing with caustic substances, notify emergency physician immediately (key words: burn in the eye). Immediately call a doctor.

First-aid measures after ingestion: IF SWALLOWED: rinse mouth. Drink plenty of water. Do NOT induce vomiting. Immediately call a doctor.

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

Symptoms/injuries after inhalation: Irritation of nose, throat and airway.

Symptoms/injuries after skin contact: Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Symptoms/injuries after eye contact: Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

Symptoms/injuries after ingestion: May cause chemical burns in mouth and throat.

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

Treat symptomatically.

5. Fire fighting measures

Extinguishing media: The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards: Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Chlorine. Oxides of: Chlorine. Hydrogen chloride (HCl).

Special protective equipment: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures
Personal precautions:
Product causes chemical burns. Wear personal protection, see Section 8
Evacuate personnel to safe areas. Keep out unprotected personnel. Keep unauthorised personnel away
Environmental precautions:
Observe regulations on prevention of water pollution. Dam with sand or earth or appropriate bunding.
Do not permit to enter into surface water, stretches of water or soil undiluted.
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
Methods and material for containment and clean-up:
Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
Additional advice:
See Section 8.

7. Handling and storage
Precautions for safe handling:
Handle in accordance with good industrial hygiene and safety practices.
Wear protective clothing, gloves, eye and face protection. For personal protection see section 8.
Storage precautions:
Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials, and acidic materials. And other cleaning chemicals.
Advice on common storage
Do not store together with: oxidising substances
Do not store together with: acidic substances

8. Exposure controls / personal protection
8.1. Control parameters
SODIUM HYDROXIDE
Long-term exposure limit (8-hour TWA): WEL
Short-term exposure limit (15-minute): WEL 2 mg/m^3
WEL = Workplace Exposure Limit

DNEL Industry - Inhalation; Long term local effects: 1.0 mg/m^3
Consumer - Inhalation; Long term local effects: 1.0 mg/m^3

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE (CAS: 7681-52-9)
Ingredient comments
In case of Chlorine emmission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 1 ppm / 2.9 mg/m3. Long Term Exposure Limit (LTEL) 0.5 ppm / 1.5 mg/m^3.

DNEL Industry - Inhalation; Long term local effects: 1.55 mg/m^3
Industry - Inhalation; Long term systemic effects: 1.55 mg/m^3
Industry - Inhalation; Short term local effects: 3.1 mg/m^3
Industry - Inhalation; Short term systemic effects: 3.1 mg/m^3
Consumer - Inhalation; Long term local effects: 1.55 mg/m^3
Consumer - Inhalation; Long term systemic effects: 1.55 mg/m^3
Consumer - Inhalation; Short term local effects: 3.1 mg/m^3
Consumer - Inhalation; Short term systemic effects: 3.1 mg/m^3
Consumer - Oral; Long term systemic effects: 0.26 mg/kg/day
PNEC
- Fresh water; 0.00021 mg/l
- Marine water; 0.000042 mg/l
- Intermittent release; 0.00026 mg/l
- STP; 0.03 mg/l

8.2. Exposure controls

Engineering measures: It is advisable to provide for installation of emergency shower and eye bath. Provide adequate ventilation.
Respiratory protection: If workplace exposure limit is exceeded apply Respiratory protective equipment.
Hand protection: Wear suitable gloves. PVC or rubber gloves are recommended.
Eye protection: Wear approved safety goggles or face shield.
Skin protection: Wear protective clothing, against splashing and contamination.
Hygiene Measures: Do not inhale vapour, aerosols, mist. Avoid contact with skin, eyes and clothing. Ensure there is good room ventilation. No eating, drinking, smoking or snuffing tobacco at work. Wash face and/or hands before breaks and end of work Use preventative skin protection. Avoid contaminating clothes with product. Immediately change moistened and saturated work clothing. Any contaminated protective equipment to be cleaned after use.
Protective Measures: Handle in accordance with good industrial hygiene and safety practices. Wear suitable protective clothing, gloves and eye/face protection.

9. Physical and chemical properties

Appearance	Thin Liquid.
Colour	Clear to Pale Yellow / Straw
Odour	Chlorine
pH	12.4
Melting point	Data not available
Initial boiling point and range	est. 100°C @ 760 mm Hg
Flash point	Boils without flashing.
Relative density	1.07 @ 20°C
Solubility	Soluble in water.

9.2 Further information

Miscibility in water:	Completely miscible
Other information:	Corrosive, alkaline agent

10. Stability and reactivity

10.1 Reactivity

Reactions with the following materials may generate heat: Strong acids, ammonium compounds and Oxidising agents.

10.2 Chemical stability

Decomposes over time. Factors that increase the rate of decomposition: increase in temperature, certain metallic impurities, high initial concentration, fall in pH below 11and exposure to light.

10.3 Possibility of hazardous reactions

Contact with acids liberates toxic gas. Chlorine. See Sections 10.1, 10.2 and 10.5

10.4 Conditions to avoid

Strong Heat.

10.5 Incompatible materials

Strong acids and Oxidising agents. Ammonium compounds. Organic materials. Metals, particularly copper, nickel and iron.Do not mix with other cleaning products unless advised to do so by a professional from the industry.

10.6 Hazardous decomposition products

Decomposition products under conditions of thermal decomposition: Chlorine. Hydrogen chloride (HCl). Oxides of the following substances: Chlorine.

11. Toxicological information

11.1 Information on toxicological effects

Toxicity:
Data for sodium hypochlorite solution 15% shows low acute oral toxicity: LC50(rat, oral) 1100 mg/kg (as available chlorine). Low acute inhalation toxicity. LC50 (rat, 1hr) >10500mg/m3 (as available chlorine). Very low acute dermal toxicity. LC50 (rat, dermal) >2000 mg/kg (as available chlorine).

Skin Corrosion/Irritation:
May cause serious chemical burns of the skin. Corrosive. Prolonged contact causes serious tissue damage.

Serious eye damage/eye irritation:
Causes burns. Risk of corneal damage. Visual disturbances including blurred vision.

Sensitisation:
Not known to be sensitising.

Repeated Dose Toxicity:
Not data available.

Assessment of STOT single exposure: No data available
Assessment of STOT repeated exposure: No data available

Risk of Aspiration Toxicity: No data available

12. Ecological information
Ecotoxicity
The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
12.1. Toxicity
Not considered toxic to fish.
Acute toxicity - aquatic invertebrates
Reference: AISE report "Environmental classification of sodium hypochlorite containing bleach products", 9 September 2009.
EC_{50}, 48 hours: > 1 mg/l mg/l, Daphnia magna
Ecological information on ingredients.
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE
Acute aquatic toxicity
$LE(C)_{50}$
0.01 < L(E)C50 ≤ 0.1 0.01 < L(E)C50 ≤ 0.1
M factor (Acute) 10
Chronic aquatic toxicity
NOEC 0.01 < NOEC ≤ 0.1
12.2. Persistence and degradability
Persistence and degradability
This product, at use dilutions, is readily broken down in biological effluent treatment plants.
12.3. Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.
12.4. Mobility in soil
Mobility
Not known.
12.5. Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects
Not known.

13. Disposal considerations
13.1 Waste treatment methods
Product: Disposal in accordance to local authority regulations. In the case of recycling/disposal contact the relevant authorities. Offer surplus and non-recyclable solutions to a licensed disposal company.
With small amounts: May be disposed of as sewage water in accordance with local regulations by previously diluting with plenty of water.
Uncleaned Packaging: Rinse empty containers before disposal; recommended cleaning agent; water.
Offer rinsed packaging material to local recycling facilities. Do not use empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities. Dispose of containers that have not been emptied completely and/or cleaned, in the same manner as the substance.

14. Transport information
Land Transport ADR/RID/GGVSEB (Germany)

ADR/RID – Labels	**None**
Class	**N/A**
UN No.	**N/A**
Packaging group	**N/A**
Tunnel Restriction Code (ADR)	**N/A**
Description of the goods (technical name)	**N/A**

Sea Transport IMDG-Code/GGVSee (Germany)

Class	**None**
Subsidiary risk	
UN No.	**N/A**
EmS	**N/A**
Packaging group	**N/A**
Proper technical name (proper shipping name)	**N/A**

15. Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

Where applicable, the surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the H- and EUH-phrases indicated in this safety data sheet are as follows:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation
H318	Causes serious eye damage
H400	Very toxic to aquatic life.
EUH031	Contact with acids liberates toxic gas

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

* Version History - Reason for Revision:
1. Add Classification According to (EC) 1272/2008 (CLP)
2. Remove Classification According to Directive 67/548/EEC or 1999/45/EC. Update Supplier Address
3. Update Reach Registration Nos. in section 3.
4. Update UK REACH Regulations. Update GB-CLP Regulation. Update UK SI.
5. Update Supplier Address

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.