

Product Safety Data Sheet

PRODUCT : Thick Bleach

Revision Date : 31/08/20

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

Product identifier

Product Name: Thick Bleach

Product Code : TB45

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

Identified Uses : Drain cleaner, sterilant and bleaching agent.

Uses advised against : Not to be used in conjunction with other products particularly acids.

1.3 Details of the supplier of the safety data sheet

Supplier : Capricorn Detergents
64 Bilton Way
Luton, LU1 1UU

1.4 Emergency telephone number

Emergency telephone : 0208 884 0099 (8.30 – 17.00 Monday to Friday)

Section 2 : Hazards identification

2.1 Classification of the substance or mixture

Classification

Health Hazards : Skin Irritant, 2 – H315; Eye Damage, 1 – H318

Environmental Hazards : Not classified

2.2 Label elements



Pictogram

Signal word : Irritant

Hazard statements : H 315 Causes skin irritation.
H 318 Causes serious eye damage.
EUH 031 Contact with acids liberates toxic gas.

Precautionary statements : 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 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

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

Contains SODIUM HYPOCHLORITE, <5% Active Chlorine

2.3 Other hazards

None known. Does not contain any substances classified as PBT or vPvB

Section 3 : Composition / information on ingredients

3.2 Mixtures

SODIUM HYPOCHLORITE SOLUTION	5-10%
CAS number : 7681-52-9 EC number : 231-668-3 REACH registration number : 01-2119488154-34-xxxx	
Classification	
Metal Corrosion 1 – H290	
Skin Corrosion 1B – H314	
Eye Damage 1 – H318	
STOT SE 3 – H335	
Aquatic Acute 1 – H400	
Aquatic Chronic 1 – H410	

SODIUM (C12-14) ALKYL ETHOXY SULPHATE	3-5%
CAS number : 68891-38-3 EC number : 500-234-8 REACH registration number : 01-2119488639-16-0020	
Classification	
Skin Irrit. 2 - H315 Eye	
Dam. 1 - H318 Aquatic	
Chronic 3 - H412	

SODIUM HYDROXIDE	0-5%
CAS number : 1310-73-2 EC number : 215-185-5 REACH registration number : 01-2119457892-27-xxxx	
Classification	
Metal Corrosion 1 – H290	
Skin Corrosion 1A – H314	

For full text for all Hazard Statements see Section 16.

4.1 Description of first aid measures

Inhalation : Move affected person to fresh air, keep warm and at rest. Rinse nose and mouth with water. Get medical attention immediately.

Ingestion : Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth



to an unconscious person otherwise give patient water to drink. Get medical attention immediately.

Skin Contact : Rinse thoroughly with water. Get medical attention promptly if symptoms persist after washing.

Eye Contact : Rinse immediately with plenty of clean water. Remove any contact lenses. Get medical attention immediately. Continue rinsing for at least 15 mins.

4.2 Most important symptoms and effects, both acute and delayed

General Information

Symptoms will vary in severity dependent on the concentration and length of exposure.

Inhalation : Irritation of nose, throat and airway.

Ingestion : May cause chemical burns in mouth and throat.

Skin Contact : May cause chemical burns to the skin with pain and corrosive skin damage.

Eye Contact : Severe irritation, burning and watering. Prolonged contact causes serious eye and tissue damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for doctor : Treat symptomatically.

SECTION 5 : Firefighting measures

5.1 Extinguishing media

Does not contribute towards fire. Use water spray to cool containers. Use fire extinguishing media to suit nearby fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards :

Substance is non-combustible. Heating will generate chlorine gas.

5.3 Advice for firefighters

Special protective equipment

Wear appropriate protective clothing and positive pressure self-contained breathing apparatus (SCBA) if large quantity is involved.

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing, gloves, eye and face protection. See section 8.

6.2 Environmental precautions

Environmental precautions

Uncontrolled discharges must be reported to the appropriate regulatory body.

6.3 Methods and materials for containment and clean up.

Method of clean up

Ensure good ventilation in area.

Small spillages : Flush spillage away with plenty of water.

Larger spillages : Contain and absorb with sand, earth or other non-combustible material. Collect for disposal in sealed waste containers.

6.4 Reference to other sections

Reference to other sections : For personal protection, see Section 8.

SECTION 7 : Handling and Storage

7.1 Precautions for safe handling

Usage precautions : Keep container closed when not in use. Wear protective clothing, gloves, eye and face protection. Emergency eye wash facility should be available in immediate facility.

Use appropriate skin cream to prevent drying of the skin.

Do not eat or drink when using this product.

Hygiene measures : Keep away from food and drink which should be prohibited in the working area. Wash hands immediately after use.

7.2 Conditions for safe storage, including any incompatibles

Storage precautions : Store in a cool, dry area in original containers. Material will react with acidic materials to generate chlorine gas.

7.3 Specific end use(s)

Specific end use(s) : As given in section 1.2

Usage description : As given on product information and label.

SECTION 8 : Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short term exposure limit (15 mins): Workplace Exposure Limit (WEL): 2 mg/m³
DNEL/DMEL (Derived No Effect Level / Derived Minimum Effect Level : 1 mg/m³

No exposure limit known for Sodium Hypochlorite but if Chlorine should be emitted, the following apply:
Short term exposure limit (15 mins): Workplace Exposure Limit (WEL): 2.9 mg/m³

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation to handle trace chlorine emissions.

Eye / face protection

Chemical splash goggles or face shield should be worn.

Hand protection

Wear protective rubber gloves. Domestic rubber is suitable for occasional small usage. Heavier gauges utilising fluorocarbon rubber, polychloroprene, or butyl rubber are all suitable provided within breakthrough times provided by manufacturer.

Other skin and body protection

Wear suitable overalls / protection against splashing and contamination.

Respiratory protection

Not required providing modest quantities are handled.

SECTION 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid

Colour

Colourless to pale yellow.

pH 5% solution in water : 11.0 +/- 0.5

Flash point : none

Solubility : Completely soluble in water.

9.2 Other information

Other information : none

SECTION 10 : Stability and reactivity

10.1 Reactivity

Reaction with acids will generate chlorine gas.

Will react with many organic compounds.

Will generate hydrogen by reaction with light metals (Zinc and Aluminium.).

10.2 Stability

Stable under normal conditions. Decomposes over time and decomposition is accelerated by metal contaminants and containers.

10.3 Possibility of hazardous reactions

Limited to that given in 10.1.

10.4 Conditions to avoid

Contact with acidic materials.

10.5 Incompatible materials**Materials to avoid**

Acids.

10.6 Hazardous decomposition products

Chlorine gas can be generated.

SECTION 11 : Toxicological information**11.1 Information on toxicological effects**

Toxicological effects : Testing not specifically carried out. Any data given below are Acute Toxicity Estimate (ATE) calculation method using figures given by raw material supplier(s).

SECTION 12 : Ecological Information**Ecotoxicity**

Harmful to aquatic organisms due to pH shift, but not considered particularly hazardous for the environment.

12.1 Toxicity

Data on aquatic toxicity can be extrapolated.

EC50 : >1 mg/l (Daphnia magna; 96 hrs)

12.2 Persistence and degradability

Biodegradability methods are not applicable to inorganic substances. Degrades rapidly with soil and sediments to chlorine salts.

12.3 Bioaccumulative potential

Data not bioaccumulative but potential for accumulation low.

12.4 Mobility in soil

Soluble and therefore inherently mobile.

12.5 Results of PBT and vPvB assessment

Product does not contain any substances classified as either PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13 : Disposal considerations**13.1 Waste treatment methods****Disposal methods**



Discharges to foul sewers should be within local limits. Concentrations may require neutralisation. For larger quantities use licensed contractor for disposal as special waste. Rinse out empty containers and recycle / consign to normal waste.

SECTION 14 : Transport information

Not classified as hazardous for transportation.

SECTION 15 : Regulatory information

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

EU legislation

REACH Commission Regulation No. 453/210

Product and raw materials classified as under GHS / CLP – Regulation No. 1272/2008, classification, labelling and packaging of substances and mixtures.

Regulation No. 1451/2007 (Biocides); Annex 1.

Guidance Workplace Exposure Limits EH40 (HSE)

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16 : Other information

Key literature references and sources for data

Material safety data sheets from miscellaneous manufacturers / suppliers.

CLP Class – Table 3.1 List of harmonised classification and labelling of hazardous substances.

ECHA – C&L inventory database.

Revision date 31st August 2020

SDS Status : The Risk Phrases / Hazard Statements listed below relate to the raw materials (ingredients in the product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

Hazard statements in S2 and S3 in full:

- H290 May be corrosive to metals
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long-lasting effects.