Product Safety Data Sheet

PRODUCT : Quattro Thin Bleach x 5LTR | QCH10

Revision Date : 31/08/20

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

Product identifier

Product Name: Bleach

Product Code : BL45/BL25

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 : Quattro Hygiene Group Limited
136-140 Shoreham Road
Brighton, BN3 7BG

1.4 Emergency telephone number

Emergency telephone : 03335 673010 (9.00 – 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

Signalword : Danger

Hazard statements :
H315Causes skin irritation.
H318Causes serious eye damage.
EUH031Contact with acids liberates toxic gas.

Precautionary statements:
P102Keep out of reach of children.
P280Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IFONSKIN:Washwith plenty of water.

P305+P351+P338IFINEYES:Rinse cautiously with water for minutes. Remove contact lenses, if present and easytodo.Continuerinsing.
P310 ImmediatelycallaPOISONCENTER or doctor.
P301+P330+P331IFSWALLOWED: 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%** **CASnumber :** 7681-52-9 **EC number :** 231-668-3 **REACHregistrationnumber :** 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 HYDROXIDE **0-5%** **CASnumber :** 1310-73-2 **ECnumber :** 215-185-5 **REACHregistrationnumber :** 01-2119457892-27-xxxx
Classification Metal Corrosion 1 – H290 Skin Corrosion 1A – H314

Forfull textforall Hazard StatementsseeSection16.

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 unconcious person otherwise give patient water to drink. Get medical attention immediately.
SkinContact: 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

Specifichazards :

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

5.3 Advice for firefighters

Specialprotective equipment

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

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personalprecautions

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

6.2 Environmental precautions

Environmentalprecautions

Uncontrolled discharges must be reported to the appropriate regulatory body.

6.3 Methods and materials for containment and clean up.

Methodofclean 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

Referenceto othersections: For personal protection, see Section 8.

SECTION 7 : Handling and Storage

7.1 Precautions for safe handling

Usageprecautions : 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

Storageprecautions : Sore in a cool, dry area in original containers. Material with 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

Shorttermexposurelimit (15mins): 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

Appropriateengineeringcontrols

Provideadequateventilationtohandle trace chlorine emissions.

Eye / face protection

Chemicalsplashgoggles or face shield should be worn.

Hand protection Wearprotectiverubber gloves. Domestic rubber is suitable for occassional small usage. Heavier guages utilising fluorocarbon rubber, polychloroprene, or butyl rubber are all suitable provided within breakthrough times provided by manufacturer.

Other skin and body protection

Wearsuitableoveralls / protectionagainst splashing and contamination.

Respiratory protection

Notrequired 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 : Completelysoluble 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
Stableunder normal conditions. Decomposes over time and decomposition is accelerated by metal contaminants and containers.

10.3 Possibility of hazardous reactions
Limitedto that given in10.1.

10.4 Conditions to avoid
Contactwithacidicmaterials.

10.5 Imcompatible materials
Materials to avoid
Acids.

10.6 Hazardous decomposition products

Chlorine gas canbegenerated.

SECTION 11 : Toxicological information

11.1 Information on toxicological effects

Toxicological effects : Testingnot specifically carried out. Any data given below are Acute Toxicity Estimate (ATE) calculation method usingfigures given by raw material supplier(s).
SECTION 12 : Ecological Information

Ecotoxicity
Harmfultoaquatic 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 (Dapnia magna; 96 hrs)

12.2 Persistance and degradability
Biodegradabilitymethodsarenotapplicable to inorganic substances. Degrades rapidly with soil and sediments to chlorine salts.

12.3 Bioaccumulative potential
Datanotbioaccumulativebutpotential for accumulation low.

12.4 Mobility in soil
Solubleandthereforeinherently mobile.

12.5 Results of PBT and vPvB assessment
Productdoesnotcontainanysubstancesclassified as either PBT or vPvB.

12.6 Other adverse effects

Noneknown.

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 / mixture.

legislation specific for the substance or

EUlegislation
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

Achemical 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.