



Total Cleaning Supplies

PRODUCT INFORMATION SHEET

THICK BLEACH

PRODUCT INFORMATION:

A multi-use sodium hypochlorite based solution recommended for deodorizing & sterilizing work surfaces, sinks, walls, floors, toilets, drains etc. Can also be used for the removal of stains from crockery or white clothing. Not suitable for use on metals, painted or varnished surfaces

ADVANTAGES:

POWERFUL CLEANING & DISINFECTION:	Thick Bleach contains sodium hypochlorite, a proven & powerful disinfectant against a wide range of micro-organisms. Unlike other bleaches it also contains Sodium Hydroxide to clean & degrease surfaces
VISCOUS LIQUID:	This aids contact time with the surface to be sanitized.
DEODORISES:	Thick Bleach quickly destroys bacteria & germs, clearing offensive odours
EASILY RINSED LEAVING NO STREAKS OR SMEARS:	Thick Bleach rinses off to leave a clean residue free surface.
BIODEGRADABLE:	Fully biodegradable.
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Dilute up to 1:50 with water & apply liberally to the affected area, allow a few moments contact time before rinsing with water. Do not mix with other cleaning materials.

HEALTH AND SAFETY:

See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5 Lt. Drums

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 1 year.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 1 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

PRODUCT NAME: THICK BLEACH

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name THICK BLEACH
Product No.: BR 406

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

Identified uses: BLEACH

1.3. Details of the supplier of the safety data sheet

Supplier Roschem Products Ltd
Total Cleaning Supplies
Limerick: 061 436 402 | Cork: 021 435 5262
sales@totalcleaningsupplies.ie
www.totalcleaningsupplies.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H314, H400, EUH031
Human health: Causes severe skin burns and eye damage
Environment: The product contains a substance which is very toxic to aquatic organisms

2.2. Label elements

Detergent Labelling: Contains: Sodium hydroxide, sodium hypochlorite & anionic surfactants
Labelling



DANGER

WARNING

Hazard	H314	Causes severe skin burns and eye damage
Statements	H400	Very toxic to aquatic life
	EUH031	Contact with acids liberates toxic gas

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 2 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

Precautionary Statements	P405 & 102	Store locked up. Keep out of the reach of children
	P260	Do not breathe dust/fume/gas/mist/vapours/spray
	P262	Do not get in eyes, on skin or on clothing
	P264	Wash hands thoroughly after handling
	P273	Avoid release to the environment.
	P280	Wear protective gloves/clothing/eye/face protection
	P301 & 310	IF SWALLOWED: Rinse out mouth immediately with water. Immediately call a poison centre or doctor/physician.
	P302	IF ON SKIN: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists
	P304	IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
	P305 & 310	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.
	P501	Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible.

2.3. Other hazards: N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION. % CI ACTIVE	1-5%
CAS-No.: 7681-52-9	EC No.: 231-668-3
Classification (EC 1272/2008)	
EUH031	
Skin Corr. 1B - H314	
Aquatic Acute 1 - H400	
SODIUM HYDROXIDE	1-2%
CAS-No.: 1310-73-2	EC No.: 215-185-5
Classification (EC 1272/2008)	
Skin Corr. 1A - H314	
SODIUM LAURYL ETHER SULPHATE	5-10%
CAS-No.: 68585-34-2	EC No.: 221-416-0
Classification (EC 1272/2008)	
Eye Irrit. 2 - H319	

A Full Text for all Hazard Statements are Displayed in Section 16

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 3 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
- Skin Contact: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
- Eye Contact: Flush eyes with water immediately. Obtain medical attention if irritation persists.
- Ingestion: Rinse out mouth immediately with water. DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.
- Protection of first aider: Avoid contact with skin and eyes (see Section 8.)

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

- Inhalation: Irritation of nose, throat and airway
- Ingestion: May cause discomfort if swallowed. May cause pain or vomiting
- Skin contact: Contact with skin causes burns and/or redness & irritation.
- Eye contact: Damaging to eyes. Contact may cause severe burning, redness &/or tearing.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.
- 5.2 Unsuitable: N/A
- 5.3 Specific Hazards: During fire, toxic gases (CO, CO₂) are formed. Chlorine gas.
- 5.4 Special Equipment for the protection of Fire Fighters: Avoid fumes. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet
- 6.2 Environmental Precautions: Avoid discharge to the aquatic environment.
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.
Large Spills - Contain and collect spillage and absorb on to sand.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: Avoid contact with skin & eyes. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place.
- Incompatible Products: Acids, Strong Oxidizing Agents.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 4 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
8.2 Personal Protection Equipment:



Respiratory Protection:
Hand Protection:

Provide adequate ventilation in areas of confined space.
Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K

Eye Protection:

Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher

Skin Protection:

Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

- 8.4 Occupational Exposure Limits:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	ppm	mg/m3	
SODIUM HYDROXIDE	OELV	-		-	2	

OELV = Occupational Exposure Limit Value

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Information on basic physical and chemical properties

- | | | |
|----|---|------------------------------|
| a) | Appearance: | Viscous yellow/green liquid. |
| b) | Odour: | Chlorine |
| c) | Odour threshold: | N/A |
| d) | pH: | 13+/-0.5 (undiluted) |
| e) | Melting point / freezing point: | No data available |
| f) | Initial boiling point & boiling range: | No data available |
| g) | Flash point: | No data available |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas): | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 1.08kg/dm3 |
| n) | Solubility(ies): | Soluble in Water |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidising properties: | No data available |

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 5 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation
<u>10.4. Conditions to avoid:</u>	Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.
<u>10.5. Incompatible materials:</u>	Acids &/or oxidizing agents
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

SECTION 10: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Irritation of nose, throat and airway
Ingestion:	May cause discomfort if swallowed. May cause pain or vomiting
Skin contact:	Contact with skin causes burns and/or redness & irritation.
Eye contact:	Damaging to eyes. Contact may cause severe burning, redness &/or tearing.

Toxicological information on ingredients.

SODIUM HYPOCHLORITE SOLUTION. % CI ACTIVE (CAS: 7681-52-9)

Acute Toxicity (Oral LD50)
1100 mg/kg Rat
REACH dossier information
Acute Toxicity (Dermal LD50)
> 20000 mg/kg Rabbit
REACH dossier information
Acute Toxicity (Inhalation LC50)
> 10.5 mg/l (vapours) Rat 1 hour
REACH dossier information

SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity (Dermal LD50)
1350 mg/kg Rabbit
IUCALID chemical data sheet.

SODIUM LAURYL ETHER SULPHATE (CAS: 68585-34-2)

Acute Toxicity (Oral LD50)
1600 mg/kg Rat
Miscellaneous information sources.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 6 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

SODIUM HYPOCHLORITE SOLUTION. % CI ACTIVE (CAS: 7681-52-9)

Acute Toxicity - Fish

LC50 96 hours > .023 mg/l Pink salmon

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 35 µg/L Ceriodaphnia dubia

NOEC 48 hours 25 µg/L Ceriodaphnia dubia

Acute Toxicity - Aquatic Plants

EC50 96 hours ~ 0.01 mg/l Myriophyllum spicatum

NOEC 96 hours 0.02 mg/l Myriophyllum spicatum

REACH dossier information

SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity - Fish

LC50 96 hours 45.4 mg/l Onchorhynchus mykiss (Rainbow trout)

IUCLID chemical data sheet.

SODIUM LAURYL ETHER SULPHATE (CAS: 68585-34-2)

No Information Available

12.2. Persistence and degradability

Degradability: The substances contained in this preparation 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.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 7 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 14: TRANSPORT INFORMATION

REGULATIONS	CLASS
RID/ADR:	8
ICAO/IATA-DGR:	8 Corrosive
GGVSee/IMDG-Code:	8

<u>14.1. UN number:</u>	1791
<u>14.2. UN proper shipping name:</u>	SODIUM HYPOCHLORITE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing Group:</u>	III
<u>14.5. Environmental Hazards:</u>	Environmentally Hazardous Substance/ Marine Pollutant
<u>14.6. Special precautions for user:</u>	NA
<u>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</u>	N/A

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.6 / 7

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

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 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 8 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date: 01.01.17

Revision No: 5

Replaces version of: 01.01.15

Hazard Statements In Full

H314 Causes severe skin burns and eye damage

H319 Causes serious eye irritation

EUH031 Contact with acids liberates toxic gas

H400 Very toxic to aquatic life

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.
