

MERLIN THICKENED BLEACH 002.002

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

1.1. Product identifier

Product name MERLIN THICKENED BLEACH
Product No. 002.002

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

Identified uses Thickened chlorine based cleaner and disinfectant

1.3. Details of the supplier of the safety data sheet

Oxford City Supplies t : 01865 722 104
Unit 6 Centremead
Osney Mead Industrial Est f : 01865 790 543
Oxford e : sales@oxfordcitysupplies.com
OX2 0ES
United Kingdom

1.4. Emergency telephone number

01865 722 104

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (67/548/EEC) Xi;R36/38. R31.

2.2. Label elements

Detergent Labelling: < 5% chlorine-based bleaching agents

Labelling



Irritant (Xi)

Risk Phrases R31 Contact with acids liberates toxic gas., R36/38 Irritating to eyes and skin.
Safety Phrases S2 Keep out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
S45 In case of accident or if you feel unwell
Seek medical advice immediately (show label where possible).

2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

N,N-dimethyltetradecylamine N-oxide	0.5-1%
CAS-No.: 3332-27-2	EEC (EINECS) No. 222-059-3
Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute toxicity, category 4 - Oral - H302	Xn;R22
Skin irritation, category 2 - H315	Xi;R38,R41
Serious eye damage, category 1 - H318	N;R50
Hazardous to the aquatic environment, acute, category 1 - H400	

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SODIUM HYDROXIDE CAS-No.: 1310-73-2 Classification (EC 1272/2008) Skin corrosion, categories 1A, 1B, 1C - H314	EEC (EINECS) No. 215-185-5	0.5-1% Classification (67/548/EEC) C;R35
SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE CAS-No.: 7681-52-9 Classification (EC 1272/2008) Skin corrosion, categories 1A, 1B, 1C - H314 Contact with acids liberates toxic gas. - EUH031 Hazardous to the aquatic environment, acute, category 1 - H400	EEC (EINECS) No. 231-668-3	1-5% Classification (67/548/EEC) C;R34 R31 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Inhalation	Move the exposed person to fresh air at once., Rinse nose and mouth with water., Get medical attention if any discomfort continues.
Ingestion	Remove victim immediately from source of exposure., Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
Skin contact	Remove affected person from source of contamination., Remove contaminated clothing., Wash the skin immediately with soap and water., Get medical attention if irritation persists after washing.
Eye contact	Make sure to remove any contact lenses from the eyes before rinsing., Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.

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

Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach., May cause stomach pain or vomiting.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media	This product is not flammable., Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

5.3. Advice for firefighters

Special Fire Fighting Procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses, Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

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Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Do not contaminate water sources or sewer., Flush with plenty of water to clean spillage area.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place., Keep in original container.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
SODIUM HYDROXIDE	WEL		2 mg/m3	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Hand protection

Use protective gloves made of: Nitrile., or, Rubber (natural, latex).

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands after contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear, Light (or pale)., Yellow.
Odour	Perfume.
Relative density	1.070 - 1.080 @ 20 °C
pH-Value, Conc. Solution	13.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

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10.4. Conditions to avoid

Avoid contact with acids., Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Fire or high temperatures create:, Toxic gases/vapours/fumes of:, Carbon dioxide (CO₂)., Carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach., May cause stomach pain or vomiting.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.2. Persistence and degradability

Degradability	The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

14.2. UN proper shipping name

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Proper Shipping Name: CORROSIVE LIQUID, NOS (Sodium hydroxide,sodium hypochlorite)

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.
IMDG Class 8
ICAO Class/Division 8

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37. System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., 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.
EU Legislation	
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

SECTION 16: OTHER INFORMATION

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 26/03/2014

Revision 6

Risk Phrases In Full R31 Contact with acids liberates toxic gas., R34 Causes burns., R50 Very toxic to aquatic organisms.| R35 Causes severe burns.| R22 Harmful if swallowed., R38 Irritating to skin., R41 Risk of serious damage to eyes., R50 Very toxic to aquatic organisms.|

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Hazard Statements In Full	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
	H315	Causes skin irritation.
	H318	Causes serious eye damage.
	H400	Very toxic to aquatic life.