

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

1.1. Product identifier

Product name **MERLIN BLEACH**
 Product No. **002.001**

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

Identified uses **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
 OX2 0ES e : sales@oxfordcitysupplies.com
 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

Labelling



Irritant (Xi)

Risk Phrases **R31 Contact with acids liberates toxic gas., R36/38 Irritating to eyes and skin.**
 Safety Phrases **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.
 S2 Keep out of the reach of children.**

2.3. Other hazards

No other hazards known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE	1-5%
CAS-No.: 7681-52-9	EEC (EINECS) No. 231-668-3
Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin corrosion, categories 1A, 1B, 1C - H314	C;R34
Hazardous to the aquatic environment, acute, category 1 - H400	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., DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
Skin contact	Remove affected person from source of contamination., Remove contaminated clothing., Rinse with water., Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

Inhalation	Vapour may irritate respiratory system or lungs.
Ingestion	Burning sensation in mouth., Gastrointestinal symptoms, including upset stomach.
Skin contact	Liquid may irritate skin.
Eye contact	Extreme irritation of eyes and mucous membranes, including burning and tearing.

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., Use:, Dry chemicals, sand, dolomite etc., Foam., Water spray.
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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. Use water to keep fire exposed containers cool and disperse vapours.
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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

Small spillages are of little concern and can be rinsed away to drain. Large spillages need to be contained to prevent entering water courses.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment., Stop leak if possible without risk., Small quantities may be flushed to drains with plenty of water., Larger spillages need to be contained (to prevent entry into watercourse), then transferred to containers for disposal.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact., Avoid mixing with acids and other cleaning chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place., Protect from light, including direct sunrays., Keep in original container., Store away from:, Acids.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Not applicable

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

Respiratory protection not required.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash.

Eye protection

Use eye protection.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals., When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, Liquid
Colour	Light (or pale)., Yellow.
Odour	Slight odour., Chlorine.
Relative density	1.065 - 1.075@ 20 °c
pH-Value, Conc. Solution	>12.5

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Slowly decomposes over time, the speed of which depends on temperature, exposure to light and contaminants.

10.2. Chemical stability

Slowly decomposes over time, the speed of which depends on temperature, exposure to light and contaminants.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid contact with acids., Oxidising, avoid contact with reducing agents.

10.5. Incompatible materials

Strong reducing agents., Strong acids.

10.6. Hazardous decomposition products

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

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.
Inhalation	Vapour may irritate respiratory system or lungs.
Ingestion	Burning sensation in mouth., Gastrointestinal symptoms, including upset stomach.
Skin contact	Liquid may irritate skin.
Eye contact	Extreme irritation of eyes and mucous membranes, including burning and tearing.

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 Sodium hypochlorite rapidly degrades when in contact with organics to form Sodium Chloride and oxygen.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility: The product contains substances, which are water soluble and may spread in water systems.

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

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

Proper Shipping Name: Not applicable

14.3. Transport hazard class(es)

Transport Labels Not Applicable

14.4. Packing group

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code n/a

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., CHIP for everyone HSG(108). 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 26/02/2013

Revision 6

Risk Phrases In Full R31 Contact with acids liberates toxic gas., R34 Causes burns., R50 Very toxic to aquatic organisms.]

Hazard Statements In Full H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.