SAFETY DATA SHEET
MAXIMA THICK BLEACH

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name	MAXIMA THICK BLEACH
Product No.	800-112-1024
Container size	5 litres

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

Identified uses	Disinfectiing and cleaning.

1.3. Details of the supplier of the safety data sheet

Supplier	COVENTRY CHEMICALS LTD WOODHAMS RD SISKIN DRIVE COVENTRY CV3 4FX +44 (0) 02476639739 +44 (0) 02476639717 sds@coventrychemicals.com

1.4. Emergency telephone number

+44 (0) 1865407333

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36. R31.

2.2. Label elements

Labelling

Irritant

Risk Phrases

R31	Contact with acids liberates toxic gas.
R36	Irritating to eyes.

Safety Phrases

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25	Avoid contact with skin and eyes.
S2	Keep out of the reach of children.
P13	Safety data sheet available for professional user on request.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE		2.5-5%
CAS-No.: 7681-52-9	EC No.: 231-668-3	Registration Number: 01-2119488154-34-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
EUH031	C;R34
Skin Corr. 1B - H314	R31
Aquatic Acute 1 - H400	N;R50

SODIUM ALKYL C10-16 ETHER SULPHATE		1-2.5%
CAS-No.: 68585-34-2	EC No.:	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	Xi;R38,R41.
Eye Dam. 1 - H318	

SODIUM HYDROXIDE		< 1%
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Corr. 1A - H314	C;R35

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

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin contact

Rinse immediately with plenty of water. Remove contaminated clothing. Contact physician if irritation 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 containing chlorine may irritate the nose, throat and lungs.

Ingestion

May irritate the mouth, throat and stomach. May cause stomach pain or vomiting.

Skin contact

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact

Irritating and may cause redness and pain.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire or high temperatures create: Chlorine. Oxides of: Chlorine. Hydrogen chloride (HCl).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-figthers

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Flush away small spillages with plenty of water. Large quantities should not be discharged into the drain but removed with absorbing material. Absorb in vermiculite, dry sand or earth and place into containers. Do not use paper or sawdust. Ventilate well. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Avoid contact with acids and other cleaning agents.

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. Store away from: Acids.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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 Limit.

Ingredient Comments

In case of chlorine emmission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 0.5 ppm / 1.5 mg/m3

8.2. Exposure controls

Protective equipment

Engineering measures

Provide adequate ventilation.

Respiratory equipment

Respiratory protection not required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended. EN 374

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable. EN 166

Other Protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Environmental Exposure Controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Colourless to pale yellow.
Odour	Chlorine.
Solubility	Soluble in water.

Initial boiling point and boiling range

Not applicable.

Melting point (°C)

Not applicable.

Relative density 1.070 typically @ 20°C

Bulk Density

Not applicable.

Vapour density (air=1)

Not determined.

Vapour pressure

Not determined.

Evaporation rate

Not determined.

Evaporation Factor

Not applicable.

pH-Value, Conc. Solution >11

Viscosity

Not determined.

Solubility Value (G/100G H2O@20°C)

Not applicable.

Decomposition temperature (°C)

Not applicable.

Odour Threshold, Lower

Not applicable.

Odour Threshold, Upper

Not applicable.

Flash point (°C)

Not applicable.

Auto Ignition Temperature (°C)

Not applicable.

Explosive properties

Not applicable

Oxidising properties

Not applicable.

Comments Information given concerns the concentrated solution.

9.2. Other information

Not relevant

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactive substance that can react with many inorganic and organic compounds

10.2. Chemical stability

Decomposes over time. Factors that increase the rate of decomposition: increase in temperature, certain metallic impurities, high initial concentration, fall in pH below 11and exposure to light.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic chlorine gas.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Acids. Ammonium compounds. Organic materials. Metals, particularly copper, nickel and iron.

10.6. Hazardous decomposition products

Chlorine. Hydrogen chloride (HCl). Chlorine oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Data from sodium hypochlorite solution 15% shows low acute oral toxicity. LC50(rat, oral) 1100 mg/kg (as available chlorine). Low acute inhalation toxicity. LC50(rat 1hr) >10500mg/m3 as available chlorine). Very low acute dermal toxicity. LC50(rat, dermal) .2000 mg/kg.

Other Health Effects

This substance has no evidence of carcinogenic properties.

Not Sensitising.

General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Ingestion

May irritate and cause stomach pain, vomiting and diarrhoea.

Skin contact

Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye contact

May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment. The product is classified using the test data for the AISE model bleach product. Ref: International Association for Soaps, Detergents and Maintenance Products publication "Environmental classification of sodium hypochlorite containing bleach products". The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

12.1. Toxicity

12.2. Persistence and degradability

Degradability

This product contains inorganic compounds which are not biodegradable. Reacts with organic substances in soil and sediments and degrades rapidly to chloride salts. Substantially removed in biological treatment processes. The surfactant(s) contained in this preparation complies(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

Bioaccumulative potential

No data available on bioaccumulation. Low potential for bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

There is evidence that sodium hypochlorite inhibits the aerobic treatment process at a concentration of 0.05mg/l.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not discharge into drains, water courses or onto the ground.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Packaging is recyclable. Wash out containers with water before disposal.

SECTION 14: TRANSPORT INFORMATION

Road Transport Notes	Not Classified
Rail Transport Notes	Not classified.
Sea Transport Notes	Not classified.
Air Transport Notes	Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

14.6. Special precautions for user

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

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.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

A Chemical Safety Assessment (CSA) has been completed for Sodium hypochlorite. Currently we do not have information from our suppliers about this.

SECTION 16: OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date	22/09/2011
Revision	1

Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R31	Contact with acids liberates toxic gas.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
EUH031	Contact with acids liberates toxic gas.
H400	Very toxic to aquatic life.