

SAFETY DATA SHEET

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Version no 3

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

1.1 Product identifiers

Trade Name	Description	Unit	Code
Teepol	Thickened Bleach	4 x 5L	0268
Teepol	Thickened Bleach	5L	0268s

1.2 Relevant identified uses of the substance/mixture and uses advised against

General Bleaching and disinfecting

1.3 Details of the supplier of the safety data sheet

Company	Teepol Products,	Telephone	01689 877020
Address	Harvey Waddington, Murray Road, Orpington, Kent BR5 3QY	Fax	01689 877027
		E-Mail	sales@teepol.co.uk

1.4 Emergency telephone number +44 (0)1689 877020 (09:00 - 16:00 Monday to Friday)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Eye. Dam. 1, H318

Skin. Irrit. 2, H315

2.2 Label elements

Signal Word: *Hazard Pictograms:*

DANGER

Hazard Statements:



H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statements:

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or doctor/physician.

Storage

P102 Keep out of reach of children.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Hypochlorite	017-011-00-1	7681-52-9	231-668-3	<5
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Supplemental hazard	EUH031	EUH 031 Supplemental hazard		
Skin corrosion/irritation	Skin. Corr. 1A B C	H314 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation		
Hazardous to the aquatic environment	Aquatic Acute 1	H400 Hazardous to the aquatic environment		
Corrosive to metals	Met. Corr. 1	H290 Corrosive to metals		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium C12-C15 Alcohol Ether Sulphate		13150-00-0	236-091-0	<5
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Skin corrosion/irritation	Skin. Irrit. 2	H315 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Hydroxide	011-002-00-6	1310-73-2	215-185-5	<1
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Corrosive to metals	Met. Corr. 1	H290 Corrosive to metals		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing and wash off skin/eyes immediately.

After inhalation

Ensure supply of fresh air and seek medical attention.

After contact with skin

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

After contact with eyes

Irrigate with water for 10 to 15 minutes until irritation subsides and seek medical attention.

After ingestion:

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Use water to neutralize product in the case of skin, eye contact or ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.1 Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 Advice fo Fire Fighters

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEAS

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

6.2 Environmental precaution

Do not allow to enter surface water drains, soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 Reference to Other Sections: See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers out of reach of children. Storage temperature should be between 5'C and 30'C.

7.3 Specific end use(s)

Use only as directed on the container or label.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control paramenters

(Chlorine) OES: TWA 8 hours 0.5ppm STEL 10 mins 1 ppm.

8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

Exposure Controls - Eyes: Avoid contact with eyes. Wear suitable eye protection if appropriate.

Exposure Controls - Skin: Wear vinyl, latex or nitrile gloves.

Exposure Controls - Respiratory Avoid breathing vapours. Provide adequate ventilation.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour Pale straw liquid with slight chlorine odour (Method: QP22)

pH (10% soln.) 12.7 (Method: QP03)

Melting/freezing point: 0'C

Flammable / Flash point Not Flammable

Relative density 1.01 g/cm³ @ 20'C (Method: QP07)

Solubility: Soluble/dispersible in water

Viscosity: Thickened @20'C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not known to react with other chemicals

10.2 Chemical Stability: No stability concerns

10.3 Hazardous Reactions: None known

10.6 Hazardous Decomposition Products May produce toxic products of combustion when involved with a fire.

10.4 Conditions to Avoid: None known

10.5 Incompatible Materials: None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
Sodium Hypochlorite	<p>11.1. Information on toxicological effects</p> <p>Toxicological Information</p> <p>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.</p> <p>Other Health Effects</p> <p>This substance has no evidence of carcinogenic properties.</p> <p>Not Sensitising.</p> <p>General Information</p> <p>This product has low toxicity. Only large volumes may have adverse impact on human health.</p> <p>Ingestion.</p> <p>May irritate and cause stomach pain, vomiting and diarrhoea.</p> <p>Skin Contact</p> <p>Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking. Eye Contact</p> <p>May cause temporary eye irritation.</p>
Sodium C12-C15 Alcohol Ether Sulphate	<p>11.1. Information on toxicological effects</p> <p>Toxicological Information</p> <p>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.</p> <p>Other Health Effects</p> <p>This substance has no evidence of carcinogenic properties.</p> <p>Not Sensitising.</p> <p>General Information</p> <p>This product has low toxicity. Only large volumes may have adverse impact on human health.</p> <p>Ingestion.</p> <p>May irritate and cause stomach pain, vomiting and diarrhoea.</p> <p>Skin Contact</p> <p>Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking. Eye Contact</p> <p>May cause temporary eye irritation.</p>
Sodium Hydroxide	<p>11.1. Information on toxicological effects</p> <p>Toxicological Information</p> <p>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.</p> <p>Other Health Effects</p> <p>This substance has no evidence of carcinogenic properties.</p> <p>Not Sensitising.</p> <p>General Information</p> <p>This product has low toxicity. Only large volumes may have adverse impact on human health.</p> <p>Ingestion.</p> <p>May irritate and cause stomach pain, vomiting and diarrhoea.</p> <p>Skin Contact</p> <p>Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking. Eye Contact</p> <p>May cause temporary eye irritation.</p>

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Sodium Hypochlorite	<p>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) of water which may have hazardous effects on aquatic organisms.</p> <p>12.1. Toxicity Toxicity Not considered toxic to fish. Acute toxicity - aquatic invertebrates Reference: AISE report "Environmental classification of sodium hypochlorite containing bleach products.", 9 September 2009. EC₅₀, 48 hours: > 1 mg/l mg/l, Daphnia magna Ecological information on ingredients. SODIUM HYPOCHLORITE Acute aquatic toxicity LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1 M factor (Acute) 10 Acute toxicity - fish EC₅₀, 96 hours: 0.01-0.1 mg/l, Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.01-0.1 mg/l, Daphnia magna Acute toxicity - microorganisms LOEC, : 0.375 mg/l, Activated sludge Chronic aquatic toxicity NOEC 0.001 < NOEC ≤ 0.01 Degradability Rapidly degradable M factor (Chronic) 1 12.2. Persistence and degradability Persistence and degradability The product contains inorganic substances which are not biodegradable. May accumulate in soil and sediment. Substantially removed in biological treatment processes. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this ssertion 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. Ecological information on ingredients. SODIUM HYPOCHLORITE Biodegradation The methods for determining the biological degradability are not applicable to inorganic substances.</p> <p>12.3. Bioaccumulative potential No data available on bioaccumulation. Ecological information on ingredients. SODIUM HYPOCHLORITE Bioaccumulative potential Low potential for bioaccumulation.</p> <p>12.4. Mobility in soil Mobility: The product is water-soluble and may spread in water systems.</p> <p>12.5. Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.</p> <p>12.6. Other adverse effects There is evidence that sodium hypochlorite inhibits the aerobic treatment process at a concentration of 0.05 mg/l.</p>

Sodium C12-C15
Alcohol Ether
Sulphate

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) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Toxicity Not considered toxic to fish. Acute toxicity - aquatic

invertebrates Reference: AISE report "Environmental classification of sodium hypochlorite containing bleach products.", 9 September 2009. EC₅₀, 48 hours: > 1 mg/l mg/l, Daphnia magna Ecological information on ingredients. SODIUM HYPOCHLORITE Acute aquatic toxicity LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1 M factor (Acute) 10 Acute toxicity - fish EC₅₀, 96 hours: 0.01-0.1 mg/l, Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.01-0.1 mg/l, Daphnia magna Acute toxicity - microorganisms LOEC, : 0.375 mg/l, Activated sludge Chronic aquatic toxicity NOEC 0.001 < NOEC ≤ 0.01 Degradability Rapidly degradable M factor (Chronic) 1 12.2.

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12.3. Bioaccumulative potential

No data available on bioaccumulation. Ecological information on ingredients. SODIUM HYPOCHLORITE Bioaccumulative potential 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 substances classified as PBT or vPvB.

12.6. Other adverse effects

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

Sodium Hydroxide 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) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity
Toxicity Not considered toxic to fish. Acute toxicity - aquatic invertebrates Reference: AISE report "Environmental classification of sodium hypochlorite containing bleach products.", 9 September 2009. EC₅₀, 48 hours: > 1 mg/l mg/l, Daphnia magna Ecological information on ingredients. SODIUM HYPOCHLORITE Acute aquatic toxicity LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1 M factor (Acute) 10 Acute toxicity - fish EC₅₀, 96 hours: 0.01-0.1 mg/l, Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.01-0.1 mg/l, Daphnia magna Acute toxicity - microorganisms LOEC, : 0.375 mg/l, Activated sludge Chronic aquatic toxicity NOEC 0.001 < NOEC ≤ 0.01 Degradability Rapidly degradable M factor (Chronic) 1 12.2. Persistence and degradability Persistence and degradability The product contains inorganic substances which are not biodegradable. May accumulate in soil and sediment. Substantially removed in biological treatment processes. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this ssertion 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. Ecological information on ingredients. SODIUM HYPOCHLORITE Biodegradation The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential
No data available on bioaccumulation. Ecological information on ingredients. SODIUM HYPOCHLORITE Bioaccumulative potential 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 substances classified as PBT or vPvB.

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number: N/A

14.2 Shipping Name: Teepol Thickened Bleach

14.3 Transport hazard class None

14.4 Packing group: N/A

14.5 Environmental Hazards: None

14.6 Special precautions for user:

No information

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:

No information

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture

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.

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.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

- H318 Causes serious eye damage.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- EUH 03 Contact with acids liberates toxic gas.
- H290 May be corrosive to metals.
- H400 Very toxic to aquatic life.

Directions:

Laundry: Dilute 1 to 80 in water, soak and then wash as usual. Stains: Dilute 1 to 20 in water. DO NOT USE ON DELICATE FABRICS
For drains use undiluted.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: www.teepol.co.uk

GLOSSARY: PPE Personal protective equipment. N/A Not applicable. N/K Not known OES Occupational exposure limit
TWA Time weighted average W/V Weight to volume

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Teepol Products (UK) do not test their finished products on animals.

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