

SAFETY DATA SHEET

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1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Trade Name	Description	Unit	Stock Code
Teepol	Sodium Hypochlorite	20 L Drum	0035

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

Concentrated bleaching agent.

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)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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

Hazard Class: Corrosive to metals

Hazard Category: Met. Corr. 1

Hazard Class: Hazardous to the aquatic environment

Hazard Category: Aquatic Acute 1

Hazard Class: Skin corrosion/irritation

Hazard Category: Skin. Corr. 1A B C

Hazard Class: Specific target organ toxicity - single exposure

Hazard Category: STOT SE 3

2.2 Label elements

Pictogram:



Danger

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Pictogram:



Warning

H335 May cause respiratory irritation.

Pictogram:



Warning

H400 Very toxic to aquatic life.

Disposal

P501 Dispose of contents/container to licensed waste disposal site

Prevention

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

P264 Wash ... thoroughly after handling.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P234 Keep only in original container.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Response

P390 Absorb spillage to prevent material damage.

P363 Wash contaminated clothing before reuse.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P321 Specific treatment (see instructions on this label).

P310 Immediately call a POISON CENTER or doctor/physician.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

P406 Store in corrosive resistant/... container with a resistant inner liner.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

2.3 Other hazards

EUH 031

Contact with acids liberates toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<u>Substance Name</u>	<u>Index-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	5-15
<u>Classification (CHIP)</u>	<u>Hazard Class (CLP)</u>	<u>Hazard Category (CLP)</u>	<u>Hazard Statements</u>	
C; R34 R31 N; R50	Supplemental hazard	EUH031	EUH 031	
C; R34 R31 N; R50	Specific target organ toxicity - single exposure	STOT SE 3	H335	
C; R34 R31 N; R50	Skin corrosion/irritation	Skin. Corr. 1A B C	H314	
C; R34 R31 N; R50	Serious eye damage/irritation	Eye. Dam. 1	H318	
C; R34 R31 N; R50	Hazardous to the aquatic environment	Aquatic Acute 1	H400	
C; R34 R31 N; R50	Corrosive to metals	Met. Corr. 1	H290	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing and wash off skin 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.

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.

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.

6. ACCIDENTAL RELEASE MEASURES

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 precautions

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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

(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.

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 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 1.2 g/cm³ @ 20°C (Method: QP07)

Solubility: Soluble/dispersible in water.

Viscosity: As water @20°C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information No information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Gives off toxic gas (chlorine) by reaction with acids.

10.2 Chemical Stability: Stable under normal temperature conditions and recommended use.

10.3 Hazardous Reactions: Gives off toxic gas by reaction with acids.

10.6 Hazardous Decomposition Products Chlorine. Oxygen.

10.4 Conditions to Avoid: Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible Materials: Strong acids. Amines.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
Sodium Hypochlorite	Toxic Dose 1 - LD 50 1100 mg/kg (oral rat) Acute toxicity: Acute Toxicity (Dermal LD50) > 2000 mg/kg Rat Acute Toxicity (Inhalation LC50) > 10500 mg/l (vapours) Rat 1 hour Aspiration hazard: None. Inhalation May cause damage to mucous membranes in nose, throat, lungs and bronchial system. May cause irritation to the respiratory system. Ingestion May cause chemical burns in mouth, oesophagus and stomach. Skin contact May cause serious chemical burns to the skin. Eye contact Causes burns. Target Organs Respiratory system, lungs

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.

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	Ecotoxicity The product contains a substance which is very toxic to aquatic organisms. 12.1. Toxicity LC 50, 96 Hrs, Fish mg/l 0.01 - 0.1 EC 50, 48 Hrs, Daphnia, mg/l 0.01 - 0.1 12.2. Persistence and degradability Degradability The product is expected to be biodegradable. 12.3. Bioaccumulative potential Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water solubility of this product. Partition coefficient -3.42 12.4. Mobility in soil Mobility: The product is soluble in water. 12.5. Results of PBT and vPvB assessment This product does not contain any PBT or vPvB substances. 12.6. Other adverse effects Not known.

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.

14. TRANSPORT INFORMATION

- 14.1 UN number:** 1791
14.2 Shipping Name: Teepol Sodium Hypochlorite
14.3 Transport hazard class: CORROSIVE LIQUID, N.O.S
14.4 Packing group II
14.5 Environmental hazard

Hazardous to the environment/marine pollutant



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

15. REGULATORY INFORMATION

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

Uk Regulatory References

Chemicals (Hazard Information Packaging) Regulations.

Statutory Instruments

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

Approved Code Of Practice

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

Guidance Notes

CHIP for everyone HSG(108).

EU Legislation

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.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

15.2 Chemical safety assessment

No information

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.
EUH 031	Contact with acids liberates toxic gas.
H290	May be corrosive to metals.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Directions:

Use as directed.

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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