# SAFETY DATA SHEET

# CLEANLINE THIN BLEACH

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name** CLEANLINE THIN BLEACH

**Product number** 800-106-4001

**Container size** 4 x 5 litres

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

**Identified uses** Disinfecting and cleaning.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

PRIME SOURCE
P O BOX 15247
BIRMINGHAM
B22 3HN

0121 328 6740
inf@prime-source.co.uk

**Contact person** SDS information provided by sds@coventrychemicals.com

### 1.4. Emergency telephone number

**Emergency telephone** 0870 190 6777

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification**

**Physical hazards**

Not Classified

**Health hazards**

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

R31.

### 2.2. Label elements

**Pictogram**

**Signal word** Danger

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary statements**

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

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

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

P310 Immediately call a POISON CENTER/doctor.

P102 Keep out of reach of children.

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

**Contains** SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE

**Detergent labelling** < 5% chlorine-based bleaching agents

**Supplementary precautionary statements**

P264 Wash contaminated skin thoroughly after handling.

P321 Specific treatment (see medical advice on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE** **1-5%**

**CAS number:** 7681-52-9 **EC number:** 231-668-3 **REACH registration number:** 01-2119488154-34-XXXX

**M factor (Acute) =** 10

| Classification | Classification (67/548/EEC or 1999/45/EC) |
|---|---|
| Met. Corr. 1 - H290 | C;R34 R31 N;R50 |
| Skin Corr. 1B - H314 | |
| Eye Dam. 1 - H318 | |
| Aquatic Acute 1 - H400 | |

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

**Ingestion**

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

**Skin contact**

Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

**Inhalation**

May cause respiratory system irritation.

**Ingestion**

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause stomach pain or

vomiting.

**Skin contact**

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

**Eye contact**

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

**Notes for the doctor**

No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. 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

**Protective actions during firefighting**

Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**

For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions**

Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**

Stop leak if possible without risk. Flush away spillage with plenty of water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground. Absorb in vermiculite, dry sand or earth and place into containers. Do not use paper or sawdust. Provide adequate ventilation. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**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

**Usage precautions**

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients. Avoid contact with acids and other cleaning agents.

**Advice on general occupational hygiene**

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Provide eyewash station. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light. Store away from the following materials: Acids.

### 7.3. Specific end use(s)

**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

**Occupational exposure limits**

**Ingredient comments**

No exposure limits known for ingredient(s). In case of Chlorine emmission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 1 ppm / 2.9 mg/m3. Long Term Exposure Limit (LTEL) 0.5 ppm / 1.5 mg/m3. WEL = Workplace Exposure Limits

**SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE (CAS: 7681-52-9)**

| | |
|---|---|
| DNEL | Industry - Inhalation; Long term local effects: 1.55 mg/m3<br>Industry - Inhalation; Long term systemic effects: 1.55 mg/m3<br>Industry - Inhalation; Short term local effects: 3.1 mg/m3<br>Industry - Inhalation; Short term systemic effects: 3.1 mg/m3<br>Consumer - Inhalation; Long term local effects: 1.55 mg/m3<br>Consumer - Inhalation; Long term systemic effects: 1.55 mg/m3<br>Consumer - Inhalation; Short term local effects: 3.1 mg/m3<br>Consumer - Inhalation; Short term systemic effects: 3.1 mg/m3<br>Consumer - Oral; Long term systemic effects: 0.26 mg/kg/day |
| PNEC | - Fresh water; 0.00021 mg/l<br>- Marine water; 0.000042 mg/l<br>- Intermittent release; 0.00026 mg/l<br>- STP; 0.03 mg/l |

### 8.2. Exposure controls

**Protective equipment**


**Appropriate engineering controls**

Provide adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. EN 166

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). EN 374

**Other skin and body 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 procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

**Respiratory protection**

Respiratory protection not required.

**Environmental exposure controls**

Avoid release to the environment.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Appearance**

Liquid.

**Colour**

Colourless to pale yellow.

**Odour**

Chlorine.

**Odour threshold**

Not applicable.

**pH**

pH (concentrated solution): 11.5

**Melting point**

Not applicable.

**Initial boiling point and range**

Not applicable.

**Flash point**

Not applicable.

**Evaporation rate**

Not determined.

**Evaporation factor**

Not applicable.

**Vapour pressure**

Not determined.

**Vapour density**

Not determined.

**Relative density**

1.05 @ 20°C

**Bulk density**

Not applicable.

**Solubility(ies)**

Soluble in water.

**Auto-ignition temperature**

Not applicable.

**Decomposition Temperature**

Not applicable.

**Viscosity**

Not determined.

**Explosive properties**

Not relevant.

**Explosive under the influence of a flame**

Not considered to be explosive.

**Oxidising properties**

Not applicable.

**Comments**

Information given is applicable to the product as supplied.

### 9.2. Other information

**Other information**

Not relevant.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with many inorganic and organic compounds

### 10.2. Chemical stability

**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 gas. Chlorine.

### 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). Oxides of the following substances: Chlorine.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects**

Data for 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 (as available chlorine).

**Other health effects**

Does not contain any substances known to be carcinogenic.

**Skin sensitisation**

Not sensitising.

**General information**

This product has low toxicity.

**Ingestion**

May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

**Skin contact**

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

**Eye contact**

May cause temporary eye irritation.

## SECTION 12: Ecological Information

# CLEANLINE THIN BLEACH

**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

Not considered toxic to fish.

**Acute toxicity - aquatic invertebrates**

Reference: AISE report "Environmental classification of sodium hypochlorite containing bleach products.", 9 September 2009. $EC_{50}$, 48 hours: > 1 mg/l mg/l, Daphnia magna

## 12.2. Persistence and degradability

**Persistence and 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 product 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

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 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

**General information**

Do not discharge into drains or watercourses or onto the ground.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. 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

Not applicable.

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

Not applicable.

## SECTION 15: Regulatory information

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

**National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). EH40/2005 Workplace exposure limits.

**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) (as amended). Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006, 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 (as amended). Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

**Guidance**

COSHH Essentials. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.

### 15.2. Chemical safety assessment

A Chemical Safety Assessment (CSA) has been completed for Sodium hypochlorite. and Sodium hydroxide.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

DNEL Derived No Effect Level PNEC Predicted No Effect Concentration STP Sewage Treatment Plant vPvB very Persistent, very Bio-accumulative

**Revision comments**

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

| | |
|---|---|
| **Revision date** | 14/04/2015 |
| **Revision** | 1 |
| **Risk phrases in full** | |
| | R31 Contact with acids liberates toxic gas. |
| | R34 Causes burns. |
| | R50 Very toxic to aquatic organisms. |
| **Hazard statements in full** | |
| | H290 May be corrosive to metals. |
| | H314 Causes severe skin burns and eye damage. |
| | H315 Causes skin irritation. |
| | H318 Causes serious eye damage. |
| | H400 Very toxic to aquatic life. |