SAFETY DATA SHEET

CLEAN SOLUTIONS THICK BLEACH

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

1.1 Product identifier

Product name	Clean Solutions Thick Bleach
Product number	TWGCS001

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

Identified uses	Cleaning agent. For Professional use only.
Uses advised against	No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier	The Wholesale Group, Cotswold Business Centre, 2 AP Ellis Road, Upper Rissington, Cheltenham GL54 2QB Tel: +44 (0) 1422 319100

1.4 Emergency telephone number

National emergency telephone number	In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2 Label elements

Pictogram

Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H290 May be corrosive to metals.

Precautionary statements

P101 If medical advice is needed, have a product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P234 Keep only in original packaging.
P260 Do not breathe vapours.
P363 Wash contaminated clothing before re-use.
P264 Wash contaminated skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face Protection.
P303+P361+P353 IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.
P310 Immediately call a POISON CENTER/ doctor.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P390 Absorb spillage to prevent material damage.
P 391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with local regulations

Supplemental label information

EUH206 Warning! Do not mix with other products.
May release dangerous gases (chlorine).

Contains

Sodium Hypochlorite, C12-14-Alkyl Ether Sulphates, Amine Oxide and Sodium Hydroxide

Detergent labelling

< 5% anionic and non-ionic surfactants, < 5% sodium hypochlorite, And sodium hydroxide.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Ingredient(s)	Classification	Percent
SODIUM HYPOCHLORITE CAS Number 7681-52-9 EC Number 231-668-3 REACH Registration Number: 01-2119488154-34-XXXX	EUH031 Met. Corr. 1 - H290 Skin Corr. 1- H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	**1 - 5 %**
C12-14-ALKYL ETHER SULFATES CAS Number: 68891-38-3 EC Number: 500-234-8 REACH Registration Number: 01- 2119488639-16-XXXX	Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 3 H412	**1 - 5%**

SODIUM HYDROXIDE CAS Number: 1310-73-2 EC Number: 215-185-5 REACH Registration Number: 01- 2119457892-27-XXXX	Met. Corr. 1 - H290 Skin Corr. 1- H314 Eye Dam. 1 - H318	**<1%**
AMINES, C12-14 (EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES CAS Number: 308062-28-4 6 EC Number: 931-292-6 REACH Registration Number: 01- 2119490061-47-XXXX	Acute Toxic. 4 H302 Skin Corr. 1- H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	**1 - 5%**

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

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

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

Eye contact 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. Rinse immediately with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation The product is not believed to present a hazard due to its physical nature. Prolonged or repeated exposure may cause adverse effects - Irritation.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause stomach pain or vomiting. Immediately call a POISON CENTRE, doctor or physician.

Skin contact Causes severe burns. Prolonged or repeated contact with skin may cause irritation, redness, dermatitis and serious tissue damage. Immediately call a POISON CENTRE, doctor or physician.

Eye contact The product is corrosive. May cause chemical eye burns. Corneal

damage. Severe irritation, burning, tearing and blurred vision. Symptoms following overexposure may include the following: Redness. Pain. Irritating to eyes. Immediately call a POISON CENTRE, doctor or physician.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.

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. Alcohol-Resistant Foam, carbon dioxide or dry powder.
Unsuitable extinguishing Media	Do not use a water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific Hazard	Contact with acids liberates toxic gases.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Chlorine. Hydrogen chloride (HCl). Oxides of carbon.

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 including gloves and eye/face Protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes and clothing. 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 safe to do so. 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

sawdust or other combustible material. Provide adequate ventilation. Flush contaminated areas with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

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. Do not mix with acid.
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. Store at temperatures between 5°C and 25°C. Keep out of the reach of children.

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

SODIUM HYPOCHLORITE
Short-term exposure limit (15-minute): WEL 0.5 ppm 1.5 mg/m³

SODIUM HYDROXIDE
Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit

SODIUM HYPOCHLORITE (CAS: 7681-52-9)

DNEL	Industry - Inhalation; Long term local effects: 1.55 mg/m³ Industry - Inhalation; Long term systemic effects: 1.55 mg/m³ Industry - Inhalation; Short term local effects: 3.1 mg/m³ Industry - Inhalation; Short term systemic effects: 3.1 mg/m³ Consumer - Inhalation; Long term local effects: 1.55 mg/m³

Consumer - Inhalation; Long term systemic effects: 1.55 mg/m³ Consumer - Inhalation; Short term local effects: 3.1 mg/m³ Consumer - Inhalation; Short term systemic effects: 3.1 mg/m³ Consumer - Oral; Long term systemic effects: 0.26 mg/kg bw

PNEC

- Fresh water; 0.00021 mg/l
- Marine water; 0.000042 mg/l
- Intermittent release; 0.00026 mg/l
- STP; 0.03 mg/l

C12-14-ALKYL ETHER SULFATES (CAS: 68891-38-3)

DNEL

Workers - Inhalation; Long term systemic effects: 175 mg/m³ Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Consumer - Inhalation; Long term systemic effects: 52 mg/m³ Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day Consumer - Oral; Long term systemic effects: 15 mg/kg/day

PNEC

- Fresh water; 0.24 mg/l
- Marine water; 0.024 mg/l
- Intermittent release; 0.071 mg/l
- Sediment, Fresh water; 0.917 mg/kg
- Sediment, Marine water; 0.092 mg/kg
- Soil; 7.5 mg/kg
- STP; 10,000 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry - Inhalation; Long term local effects: 1.0 mg/m³ Consumer - Inhalation; Long term local effects: 1.0 mg/m³

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. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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). To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body Protection	No special requirement under normal conditions. Use appropriate skin cream to prevent drying of skin. Wear chemical resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN14605).
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 is not normally required. However, inhalation of vapours, spray, gas or aerosols should be avoided.
Environmental exposure controls	Avoid releasing into the environment. Should not reach sewage water or drainage ditch undiluted or unneutralised.

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.
Odour threshold	Not applicable.
pH	pH (concentrated solution): >12
Relative density	1.01 - 1.09
Solubility(ies)	Soluble in water.
Explosive under the influence of a flame	Not considered to be explosive.
Comments	Information given is applicable to the product as supplied.

9.2 Other information

Other information	Not relevant.
Viscosity	>550 cP at 20 ^{0}C

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	The reactivity data for this product will be similar to that of materials in the following categories: acids, alkalis, and oxidizing substances.

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 11 and exposure to light.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	Generates toxic gas in contact with acid. Chlorine.

10.4 Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials

Materials to avoid	Acids. Ammonia. Organic compounds. Some metals. Nickel. Iron. Copper.

10.6 Hazardous decomposition products

Hazardous decomposition products	Chlorine. Hydrogen chloride (HCl). Oxides of the following substances: Chlorine. Hypochlorous acid.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data available for mixture.
Other health effects	Does not contain any substances known to be carcinogenic.

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation	Not sensitising.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated Exposure.

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 Prolonged or repeated exposure may cause the following adverse effects: Dryness and/or cracking of burns. May cause severe skin burns.

Eye contact May cause temporary eye irritation.May cause severe eye burns and damage.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1 Toxicity

Toxicity This product contains a substance which is harmful to aquatic organisms.

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.

12.3 Bioaccumulative potential

Bioaccumulative potential No bioaccumulation expected.

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

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Other adverse effects No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste product or used containers in accordance with Local regulations

SECTION 14: Transport information

14.1 UN number: 1760

14.2 UN proper shipping name CORROSIVE LIQUID, N.O.S. (CONTAINS SODIUM HYPOCHLORITE, C12-14-ALKYL ETHER SULFATES)

14.3 Transport hazard class(es)

Transport Hazard Class (and subsidiary risks): 8
ADR/RID Classification Code : C9

14.4 Packing group: III

14.5 Environmental hazards

14.6 Environmentally hazardous substance/marine pollutant: Yes

14.7 Special precautions for user: None Known.

14.8 Other Relevant Information

ADR transport category: 3
Tunnel restriction code: E
Hazard Identification Number: 80
EMS: F-A, S-B

14.9 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).
The Detergents Regulations 2010 (SI 2010 No. 740) (as amended).
The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended).
The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
Health and Safety at Work etc. Act 1974 (as amended).
EH40/2005 Workplace exposure limits.
Control of Substances Hazardous to Health Regulations 2002 (as amended).
Control of Pollution (Special Waste) Regulations 1980 (as amended).
Control of Pollution Act 1974.

EU legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)
European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
European Regulation (EC) No 648/2004 on detergents (as amended).
European Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (BPR) as amended.
Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.
System of specific information relating to Dangerous Preparations. 2001/58/EC.

Guidance

COSHH Essentials.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.
Workplace Exposure Limits EH40.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet PBT: Persistent, Bioaccumulative and Toxic substance
vPvB: Very Persistent and Very Bioaccumulative.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 PNEC: Predicted No Effect Concentration.
DNEL: Derived No Effect Level.

Date 05/12/2025

SDS Number 051225

Hazard statements in full
H272 May intensify fire; oxidiser.
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.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.