



SAFETY DATA SHEET

CLEAN SOLUTIONS ESSENTIAL PINE DISINFECTANT

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

1.1. Product identifier

Product name Clean Solutions Essential Pine Disinfectant

Product number TWGCS006

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

Identified uses Disinfectant for cleaning purposes. For professional use only.

Uses advised against Use for intended purpose only.

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 Not Classified

Health hazards Eye Irrit. 2 - H319, Skin Irrit. 2 -H315

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Symbols



Signal word Warning

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Hazard statements	H315: Causes skin irritation. H319: Causes serious eye irritation.
Precautionary statements	P102 Keep out of reach of children. P15 Restricted to professional users only. P264: Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves. P302+P352: IF ON SKIN: Wash with plenty of soap and 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. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P337+P313: If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/ container in accordance with local regulations
Contains	ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)).
Detergent Labelling	<5% disinfectants, <5% non-ionic surfactants and CI AGCP

2.3. Other hazards

This product is not classified as PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very Persistent and very Bioaccumulative).

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	1 - 5%
CAS number: 68391-01-5 EC Number 270-325-2	
Terpineol	1 - 5%
CAS Number: 8000-41-7 EC Number: 232-350-7	

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 immediately. Rinse the nose and mouth with water. Seek medical attention if any discomfort or symptoms persist.
Ingestion:	Do not give anything to an unconscious person. Avoid inducing vomiting. Rinse the mouth thoroughly with water. Seek medical attention if any discomfort or symptoms persist.

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Skin Contact: Rinse the affected area with plenty of water immediately. Remove contaminated clothing. Seek medical attention if irritation continues after washing.

Eye Contact: Rinse eyes immediately with plenty of water. Remove contact lenses, if applicable, and keep eyelids open. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists after rinsing. Provide this Safety Data Sheet to medical personnel.

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

Inhalation: Not expected to present an inhalation hazard under normal workplace conditions.

Ingestion: Ingestion is not a typical route of exposure. If swallowed, symptoms may include nausea and possible gastrointestinal irritation. A mild, soapy taste may be experienced.

Skin Contact: Prolonged or repeated contact may cause redness, irritation, or dryness of the skin.

Eye Contact: Exposure may cause transient eye irritation.

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

Notes for the doctor Ensure that the skin and eyes are thoroughly rinsed until the pH returns to neutral. Inspect the mouth for any signs of irritation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use extinguishing media appropriate for the surrounding fire, such as foam, carbon dioxide (CO₂), or dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion Products Thermal decomposition or combustion may produce carbon oxides and other potentially toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Prevent firefighting water from entering drains, surface water, and watercourses.

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

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to Section 8 for recommended personal protective equipment. Spilled material may create slippery surfaces—take care to avoid slips and falls.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spilled material in accordance with Section 13. Prevent discharge into drains, watercourses, or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up If it is safe to do so, stop the source of the leak. Absorb spilled material with vermiculite, dry sand, or earth and transfer to suitable containers for disposal. Rinse the affected area with plenty of water. Prevent spillages and washings from entering drains, sewers, or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protective equipment, see Section 8. For information on health hazards, see Section 11. For disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Use in a well-ventilated area. Follow personal protective equipment guidelines.

Advice on general Occupational hygiene No specific hygiene measures are required; however, good personal hygiene should always be maintained when handling chemical Products. Wash thoroughly at the end of each work shift and before eating, drinking, smoking, or using the toilet.

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. 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

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ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

DNEL Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day
Workers - Inhalation; Long term systemic effects: 3.96 mg/m³
General population - Oral; Long term systemic effects: 3.4 mg/kg/day
General population - Dermal; Long term systemic effects: 3.4 mg/kg/day
General population - Inhalation; Long term systemic effects: 1.64 mg/m³

PNEC - Fresh water; 0.001 mg/l
Intermittent release,
Fresh water; 0 mg/l
Marine water; 0.001 mg/l STP; 0.4 mg/l
Sediment (Freshwater); 12.27 mg/kg
Sediment (Marinewater); 13.09 mg/kg Soil; 7 mg/kg

TERPINEOL (CAS: 8000-41-7)

DNEL Workers - Inhalation; Long term systemic effects: 5.8 mg/m³
Workers - Dermal; Long term systemic effects: 1.17 mg/kg/day

PNEC - Fresh water; 62 mg/l
- Marine water; 6.2 mg/l
- STP; 2.57 mg/l
- Sediment (Freshwater); 0.442 mg/l
- Sediment (Marinewater); 0.044 mg/l - Soil; 0.052 mg/l
- Fresh water; 1.3 mg/l

8.2. Exposure controls

Protective Equipment



Appropriate engineering Controls	Provide adequate ventilation in the work area.
Eye/face protection	No specific eye protection is required under normal conditions of use.
Hand protection	For individuals with sensitive skin, it is recommended to wear suitable protective gloves.
Other skin and body Protection	Wear clothing that prevents repeated or prolonged skin contact. Use a suitable skin cream to prevent skin drying.
Hygiene measures	Maintain good personal hygiene. Wash hands and any other contaminated areas of the body with soap and water before leaving the workplace. Apply skin cream as needed to prevent dryness.
Respiratory protection	Respiratory protection is not required under normal conditions of use.
Environmental exposure	Prevent release to the environment. Follow local regulations for

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controls waste and discharge.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green
Odour	Pine
Odour threshold	Not applicable.
pH	pH (concentrated solution): 7 - 9
Relative density	1.00 - 1.05
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.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactivity hazards are known for this product under normal conditions of use.
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10.2. Chemical stability

Stability	The product is stable under normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions are expected.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with acids and do not mix with bleach-containing products, as this may cause hazardous reactions.
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10.6. Hazardous decomposition products

Hazardous decomposition products Avoid exposure to high temperatures or direct sunlight.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Toxicological information is based on the components and similar products.

Other health effects Does not contain any substances known to be carcinogenic.

Acute toxicity - oral Classification criteria not met.
Notes (oral LD₅₀)

Acute toxicity - dermal Based on available data the classification criteria are not met.
Notes (dermal LD₅₀)

Acute toxicity - inhalation Based on available data the classification criteria are not met.
Notes (inhalation LC₅₀)

Skin corrosion/irritation Causes skin irritation.
Skin corrosion/irritation

Serious eye damage/irritation Causes serious eye irritation.
Serious eye damage/irritation

Respiratory sensitisation Not sensitising.
Respiratory sensitisation

Skin sensitisation Not classified.
Skin sensitisation

Germ cell mutagenicity No mutagenic substances present.
Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity No carcinogenic substances present.
Carcinogenicity

Reproductive toxicity No substances toxic to reproduction present.
Reproductive toxicity - fertility

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

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

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Inhalation:	No specific health hazards known.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting, stomach pain, diarrhea.
Skin contact	Not expected to cause irritation; repeated exposure may cause dryness or cracking.
Eye contact	May cause temporary or serious eye irritation.

SECTION 12: Ecological Information

Ecotoxicity	Product contains substances very toxic to aquatic organisms with potential long-term effects. Normal use solutions are not classified as environmentally harmful.
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12.1. Toxicity

Toxicity	Not considered toxic to fish.
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12.2. Persistence and degradability

Persistence and degradability	Surfactants comply with biodegradability criteria under The Detergents Regulations.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

Mobility	Product is water-soluble and may spread in aquatic systems.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No PBT or vPvB substances present.
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12.6. Other adverse effects

Other adverse effects	Not known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Minimise waste generation. Empty packaging completely; wash with plenty of water. Collect waste packaging for reuse or recycling.
Disposal methods	Dispose of waste to a licensed facility in accordance with local regulations. Normal use solutions may be disposed of to sewer systems, following local regulations.

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SECTION 14: Transport information

General Product is not classified as dangerous for transport (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not required.

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable

14.7. 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 Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
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 (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 Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation

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of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

Guidance Workplace Exposure Limits EH40.
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

No data available on this product.

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.

Date 01/12/2025

SDS Number 011225

Hazard statements in full H302 Harmful if swallowed.
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
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.