



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Easy Pine LTC
Product code 02016847
UFI code N4H7-P7AE-3RKJ-U4G4

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

Identified Use(s) Liquid Toilet Cleaner
Uses Advised Against Use only as stated on the label.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification Easy Cleaning Solutions
Address of Manufacturer Brunel Way
Thetford
Norfolk
UK

Postal code IP24 1HF
Telephone: +44 (0)1842 757575
Fax Not known.
E-mail contact@easycleaningco.com
Office hours
Supplier
Company Identification Easy Cleaning Solutions
Address of Supplier Brunel Way
Thetford
Norfolk
UK

Postal code IP24 1HF
Telephone: +44 (0)1842 757575
Fax Not known.
E-mail contact@easycleaningco.com
Office hours

1.4 Emergency telephone number

Emergency Phone No. +44 (0)1842 757575 (Available Monday–Friday, 9:00 am–5:00 pm GMT/BST; UK office hours only)
Contact contact@easycleaningco.com
National response centre, NHS Direct +44 111 (24 hours/ 7 days)
NPIC (IE) +353 01 809 2166 (8.00 am – 10:00 pm / 7 days) Public Poisons Information Line
NPIC (IE) +353 01 809 2566 (24 hours) doctors and healthcare professionals only
For NI, please contact your local GP

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

GB CLP Regulation, UK SI 2019/720 and Not classified as dangerous for supply/use.
UK SI 2020/1567

2.2 Label elements

Product Name According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567
Easy Pine LTC

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) EUH208: Contains Perfume. May product an allergic reaction.

Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P273: Avoid release to the environment.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Detergents Info: <5% Cationic Surfactants. Disinfectant: Benzalkonium Chloride (0.56g/100g), Perfume.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	270-325-2	0.1-1	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1A H314 Aquatic Acute 1 H400	GHS05 GHS07 GHS09

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1			Acute Tox. 4 (H302) : 500 Acute Tox. 4 (H312) : 1100

Contains no non-classified vPvB substances.
Contains no non-classified substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Allow affected person to breathe fresh air. Allow the victim to rest.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Ingestion	Rinse mouth out with water. In all cases of doubt, or when symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Follow personal protection measures (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands after working with the substance.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Liquid Toilet Cleaner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection

Not normally required. Avoid contact with eyes. In case of splashing wear eye protection with side protection (EN166).



Skin protection

Not normally required. Avoid contact with skin.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.



8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Green Viscous liquid.
Odour	Pine
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	ca 100°C 700mm Hg
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	= 7.5.
Kinematic Viscosity	300-500 cP @ 20 °C
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Not known.
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Product information**

Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE – 89126.56
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE –196078.44
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

Component information**Acute toxicity**



Product/ingredient name	Oral LD50	Dermal LD50
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	795 mg/kg (Rat, OECD 401)	> 5000 mg/kg (calculated dermal ATE)
Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides	350 mg/kg (Rat, OECD 401)	2848 mg/kg (Rabbit, EPA OPPTS 870.1200)

Skin corrosion/irritation

Product/ingredient name	Result	Remarks	Species	Methods
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Corrosive	-	Rabbit	OECD 404

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Product information**

Ecotoxicity Harmful to aquatic life (GHS, Aquatic Acute 3)

Component information

Substance data where relevant and available are listed below:

Product/ingredient name	Result
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	
	EC ₁₀ / 72 h 0.0025 mg/l (Selenastrum capricornutum, OECD 201)
	EC ₅₀ / 72 h 0.02 mg/l (Selenastrum capricornutum, OECD 201)
	EC ₅₀ / 48 h 0.016 mg/l (Daphnia, REACH Dossier)
	LC ₅₀ / 96 h (static) 0.85 mg/l (Rainbow trout, OECD 203)
	NOEC / 21 d 0.025 mg/l (Daphnia, OECD 211)
	NOEC / 28 d 0.0322 mg/l (Fathead minnow, U.S. EPA FIFRA 72-4, REACH dossier)
Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides	
	IC ₅₀ / 72 hours 0.049 mg/l (Pseudokirchnerella subcapitata, OECD 201)
	EC ₁₀ / 72 h 0.009 mg/l (Pseudokirchnerella subcapitata, OECD 201)



	EC ₅₀ / 48 h 0.016 mg/l (Daphnia magna, EU Method C.2)
	LC ₅₀ / 48 h 0.32 mg/l (Calanoid copepod (Acartia tonsa), ISO/CD14669)
	LC ₅₀ / 96 h 1.36 mg/l (Cyprinodon variegatus, PARCOM 1995 part B)
	LC ₅₀ / 96 h 0.28 mg/l (Pimephales promelas, EPA TSCA 797.1400)
	IC ₅₀ / 72 h 0.207 mg/l (Diatom (Skeletonema costatum), ISO 10253)
	NOEC / 21 d 0.0042 mg/l (Daphnia, US EPA FIFRA 72-4 b)
	NOEC / 34 d 0.0322 mg/l (Pimephales promelas, US EPA FIFRA 72-4 (a))
	EC ₁₀ / 72 h 0.096 mg/l (Diatom (Skeletonema costatum), ISO 10253)

Toxicity - Aquatic invertebrates

Not known.

Toxicity - Fish

Not known.

Toxicity – Microorganisms / Activated Sludge:

Product information: No data is available on the mixture. Substance data where relevant and available are listed below.

Component	Result	Evaluation
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC ₂₀ /0.5 h = 5 mg/l (OECD 209)	Depending on concentration, toxic effects on activated sludge organisms are possible.

Toxicity - Algae

Not known.

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

12.2 Persistence and degradability

Product information: No data is available on the mixture. Substance data where relevant and available are listed below:

Component	Method	Biodegradation	Exposure time	Guideline	Remarks
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Rapid degradability of organic substances	>60%	28 d	OECD 301 D Closed-Bottle-Test	The component(s) is (are) rapidly degradable.
	Behaviour in sewage treatment plants	>90%	N/A	OECD 303 A: Activated Sludge Units	The substances are biodegradable/eliminable in activated sludge units.
Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides	Percent Degradation (Aerobic Biodegradation)	82.6 - 99.5 %	28 d	OECD 301 B	The bioaccumulation potential is expected to be low.



12.3 Bioaccumulative potential

Product information: No data is available on the mixture. Substance data where relevant and available are listed below:

Bioconcentration factor (BCF) / octanol/water partition coefficient (LogKow):

Product/ingredient name	Partition coefficient	BCF
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	2.88 (n-octanol/water)	79 (fish, REACH dossier)

12.4 Mobility in soil

No data available for mixture.

Component information

Adsorption

Soil/Sediment Sorption – Log Koc

Product/ingredient name	Organic carbon-water partition coefficient (KOC)
Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides	6.2149

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number or ID 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

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Maritime transport in bulk according to IMO instruments

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed
of Very High Concern for AuthorisationUK REACH Authorisation List (Annex
XIV) list of substances subject to
authorisation Not listed

UK REACH Restrictions List (Annex XVII) Not listed

Restrictions on the manufacture, placing
on the market and use of certain
dangerous substances, mixtures and
articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106) as
amendedThe Ozone-Depleting Substances and
Fluorinated Greenhouse Gases Not listed(Amendment etc.) (EU Exit) Regulations
2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and
import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

Seveso Directive None known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)	None. GHS05: GHS: Corrosion GHS07: GHS: Exclamation mark GHS09: GHS: Environment
Hazard classification	Acute Tox. 4 : Acute toxicity, Category 4 Acute Tox. 4 : Acute toxicity, Category 4 Skin Corr. 1A : Skin corrosion/irritation, Category 1A Skin Sens. 1 : Skin sensitization, Category 1 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
Hazard Statement(s)	H302: Harmful if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statement(s)	None.
Acronyms	ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic



SAFETY DATA SHEET

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PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

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