

Marine Green by LeeSan

REVISION NO: 1

SAFETY DATA SHEET

ISSUE DATE: 01/05/18

MARINE GREEN TOILET BOWL CLEANER & LUBRICATOR

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

1.1. Product Identifier

Product Name: Marine Green Toilet Bowl Cleaner & Lubricator

Product Number: LSL101

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

Identified uses: Detergent.

1.3. Details of the supplier of the safety data sheet

Company name: Lee Sanitation Ltd
Wharf Road
Fenny Compton
Warwickshire
CV47 2FE
United Kingdom
Tel: +44 (0) 1290 770000
Email: info@leesan.com

Section 2: Hazards identification

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

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye damage.

2.2. Label elements

Label elements: N/A

Hazard statements: H319: Causes serious eye damage.

Hazard pictograms: GHS07: Exclamation Mark



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Signal words: Warning

Precautionary statements: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P102: Keep out of reach of children.
P103: Read label before use.

2.3. Other hazards

This product is not identified as a PBT/ vPvB substance.

Section 3: Composition/ information on ingredients

3.2. Mixtures

ALKYL POLYGLUCOSIDE - REACH registered number(s): 01-2119488530-36

EINECS	CAS	PBT/ WEL	CLP Classification	Percent
500-220-1	68515-73-1	-	Eye Dam. 1: H318	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

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

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed/ immediate effect:	Immediate effects can be expected after short-term exposure.

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

Immediate/ special treatment:	Not applicable.
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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards:	In combustion emits toxic fumes.
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5.3. Advice for fire-fighters

Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.
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6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Correctly labelled containers must be used.

7.3. Specific end use(s)

Specific end use(s) No data available.

Section 8: Exposure controls/ personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/ PNEC Values

Hazardous ingredients:

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ALKYL POLYGLUCOSIDE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	595000mg/kg/bw/ day	Workers	Systemic
DNEL	Inhalation	420 mg/m ³	Workers	Systemic
DNEL	Dermal	357000 mg/kg bw/ day	Consumers	Systemic
DNEL	Inhalation	124 mg/m ³	Consumers	Systemic
DNEL	Oral	35.7 mg/kg bw/day	Consumers	Systemic
PNEC	Fresh Water	0.1 mg/l	-	-
PNEC	Marine Water	0.01 mg/l	-	-
PNEC	Fresh water sediments	0.487 mg/kg dwt	-	-
PNEC	Marine sediments	0.048 mg/kg dwt	-	-
PNEC	Microorganisms in sewage treatment	560 mg/l	-	-
PNEC	Soil (agricultural)	0.654 mg/kg dwt	-	-

8.2. Exposure controls

Engineering measures:

Ensure there is sufficient ventilation of the area.

Respiratory protection:

None required if adequate air flow is maintained. If exposure limits are encountered respiratory protection has to be available. Use certified respiratory protection meeting EU requirements (89/656/EEC,89/686/EEC, or equivalent, when respiratory risks cannot be avoided or sufficiently limited by environmental factors associated with procedures.

Hand protection:

Protective gloves.

Eye protection:

Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection:

Protective clothing.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid	Flash point°C:	>93
Colour:	Blue	Autoflammability°C:	No data available.
Odour:	Spearmint	Relative density:	No data available.
Evaporation rate:	No data available.	VOC g/l:	No data available.
Oxidising:	No data available.	Melting point/ range°C:	No data available.
Solubility in water:	Soluble	Upper:	No data available.
Viscosity	No data available.	Part.coeff. n- octanol/ water:	No data available.
Boiling point/ range°C:	No data available.	Vapour pressure:	No data available.
Flammability limits % lower:	No data available.	pH:	Approx. 7

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure or materials listed below.

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10.4. Conditions to avoid

Conditions to avoid: Heat. Do not allow to freeze

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Haz. decomp. Products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ALKYL POLYGLUCOSIDE

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/ irritation	OPT	Hazardous: calculated

Symptoms/ routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/ immediate effects: Immediate effects can be expected after short-term exposure.

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ALKYL POLYGLUCOSIDE

ALGAE	72H ErC50	37	mg/l
Daphnia magna	48H EC50	>100	mg/l
FISH	96H LC50	100-126	mg/l

12.2. Persistence and degradability

Persistence and degradability:

Biodegradable. The surfactant(s) contained in this preparation 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 Member States. Information may be obtained from detergent manufacturer and competent authorities.

12.3. Bioaccumulative potential

Bioaccumulative potential:

No bioaccumulation potential.

12.4. Mobility in soil

Mobility:

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT Identification: This product is not identified as a PBT/ vPvB substance.

12.6. Other adverse effects

Other adverse effects:

Negligible ecotoxicity.

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Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical safety assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information: According to Regulation (EC) No. 1907/ 2006 (REACH) with its amendment Regulation (EU) 2015/ 830
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H318: Causes serious eye damage.
H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage from handling or from contact with the above product.