

SAFETY DATA SHEET
BIOFLUSH SYSTEMS CLEANER

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Revision No: 4

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

1.1. Product identifier

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

Product name: BIOFLUSH SYSTEMS CLEANER

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: Premier Lubricants Ltd
Dewsbury Road
Fenton Ind Estate
Stoke-on-Trent
ST4 2TE

Tel: +44 1782 410381

Fax: +44 1782 410684

Email: info@premierlubricants.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; STOT RE 1: H372; Acute Tox. 4: H332; Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled.
Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard



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Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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

2.3. Other hazards

Section 3: Composition/information on ingredients

3.2. Mixtures

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

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL - REACH registered number(s): 01-2119529226-41

EINECS	CAS	PBT / WEL	CLP Classification	Percent
225-208-0	4719-04-4	-	STOT RE 1: H372; Eye Irrit. 2: H319; Acute Tox. 2: H330; Acute Tox. 4: H302; Skin Sens. 1: H317	14.800%

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

200-573-9	64-02-8	-	Acute Tox. 4: H302; Eye Dam. 1: H318	10.000%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a Doctor if irritation persists.

Ingestion: Wash out mouth with water and obtain medical attention. Treat symptomatically. If aspiration is suspected, obtain immediate medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

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

Skin contact: May cause an allergic skin reaction.

Eye contact: Eye contact with product may cause irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt.

Ingestion: Harmful: may cause lung damage if swallowed.

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

[cont...]

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

Immediate / special treatment: For pressure injection always obtain immediate medical attention.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of formaldehyde.

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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

7.2. Conditions for safe storage, including any incompatibilities

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

Storage conditions: Store in dry conditions between 0 and 40°C.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

Specific end use(s): PC8: Biocidal products (e.g. Disinfectants, pest control).

[cont...]

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8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation, long term exposure	0.2mg/m3	Workers	Local

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not normally required. However, if hot vapours are present wear suitable respiratory equipment (Organic vapour type).

Hand protection: Avoid direct contact with the neat product where possible, in such circumstances where this is unavoidable the use of oil impervious gloves (nitrile type) is recommended. The typical permeation breakthrough time of a disposable nitrile glove should be greater than 1 hour, however this should be confirmed with the glove manufacturer.

Eye protection: Wear goggles or face mask when handling product. Ensure eye bath is to hand.

Skin protection: Oil-resistant protective clothing is recommended. Change heavily contaminated clothing as soon as possible.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Characteristic odour

Solubility in water: Miscible

Viscosity: Non-viscous

Kinematic viscosity: 50-80

Viscosity test method: Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3219)

Boiling point/range°C: >100

Melting point/range°C: <0

Flash point°C: >100

Relative density: 1.06

pH: 10

9.2. Other information

Section 10: Stability and reactivity

Other information: No data available.

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10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Chemical stability: Stable under normal conditions.

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Extremes of temperature. Store between 0 and 40°C.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes of formaldehyde.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

DERMAL	RAT	LD50	>4000	mg/kg
DUST/MIST	RAT	4H LC50	0.37	mg/l
ORAL	RAT	LD50	1000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: May cause an allergic skin reaction.

Eye contact: Eye contact with product may cause irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt.

Ingestion: Harmful: may cause lung damage if swallowed.

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

[cont...]

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

Activated sludge	0.5H EC20	170	mg/l
Brachydanio rerio	96H LC50	16.07	mg/l
Daphnia	48H EC50	11.9	mg/l
Desmodesmus subspicatus	72H EC50	6.66	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Small quantities will be absorbed in the upper soil layers where biodegradation may take place.

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: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

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.

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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

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H332: Harmful if inhaled.

H372: Causes damage to organs ({{{0|||message=<or state all organs affected, if known>|||filter=(_)?ORGAN_.+}}}) through prolonged or repeated exposure ({{{1|||message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|||filter=(_)?EXP_ROUTE_.+}}}).

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 resulting from handling or from contact with the above product.