

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier Shower Kleen

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

Uses: Shower head descaler and disinfectant

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
 Unit 2, The Park
 Stoke Orchard
 Bishops Cleeve
 Gloucestershire
 GL52 7RS

Telephone +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class Hazard Statements

Skin Corr. 1A H314

For the full text of the H statements mentioned in this section see Section 16.

Most important adverse effects

Human Health:

See section 11 for toxicological information.

Physical & Chemical Hazards:

See section 9 for toxicological information.

Potential environmental effects:

See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements: H314 Causes severe skin burns and eye damage

Signal word: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements: P264: Wash hands thoroughly after handling
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+ P 352: 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
 P321: Specific treatment (see first aid measures on this label).
 P405: Store locked up

2.3 Other Hazards

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

Trade Name: Shower Kleen

3. Composition/information on ingredients

3.1 Mixture

EINECS	CAS	PBT/WEL	CLP Classification	Percent
SULPHAMIC ACID - REACH registered number(s): 01-2119488633-28				
226-218-8	5329-14-6	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	1-10%
LACTIC ACID - REACH registered number(s): 01-2119474164-39				
201-196-2	79-33-4	-	Skin Irrit 2: H315; Eye Dam.1: H318	1-10%
ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE				
270-325-2	68424-85-1	-	Acute Toxic 3 H301+H331; Skin Cor. 1C H314; Eye Dam 1 H318; Aquatic Acute 1 H400	<1%

Contains: Mixture of listed substances with non hazardous additions.

4. First Aid measures

4.1 Description of first aid measures

General Advice:	Take off all contaminated clothing immediately.
Skin contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Get medical attention if irritation
Eye contact:	Check for and remove any contact lenses. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. Transfer to hospital for specialist examination.
Ingestion:	Wash out mouth with water. Do not induce vomiting. Seek medical attention if irritation persists.
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:	There may be mild irritation at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely. 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.

4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises

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

5.2 Special hazards arising from the substance or mixture

Exposure Hazards In combustion emits toxic fumes.

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

Trade Name: Shower Kleen

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Refer to section 8 of SDS for personal protection details. 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 materials 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

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Handling Requirements: Avoid direct contact with the substance. Ensure sufficient ventilation of the area. Avoid skin and eye contact. Wear suitable protective equipment.

7.2 Conditions for safe storage, including any incompatibilities.

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

Suitable Packaging: Store in correctly labelled containers

7.3 Specific end uses

No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC values: No data available.

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection Self contained breathing apparatus must be available in case of emergency.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166. Provide eye station

Skin protection Protective clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid
Colour: Green
Odour: Pleasant

pH <2
Oxidising: Non-oxidising (by EC criteria)
Viscosity: Non-viscous
Water solubility: Soluble
Relative density: 1.05 - 1.07

9.2 Other Information

No data available.

10. Stability and reactivity**10.1 Reactivity**

Reactivity Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability Stable under normal conditions

10.3 Possibility of hazardous reactions

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 Heat

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6 Hazardous decomposition products

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

11. Toxicological Information**11.1 Information on toxicological effects****Hazardous ingredients:****SULPHAMIC ACID**

IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1,312	mg/kg
ORL	RAT	LD50	3,160	mg/kg

(L) LACTIC ACID

DERMAL	RBT	LD50	>2,000	mg/kg
ORAL	RAT	LD50	3,543	mg/kg
VAPOURS	RAT	4H LC50	7.94	mg/l

Relevant hazards for mixture:

Hazard	Route	Basis
Irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness. The eyes may water profusely. 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.

12. Ecological Information**12.1 Toxicity**

(L) LACTIC ACID				
ALGAE	72H	ErC50	2800	mg/l
BLUEGILL (Lepomis macrochirus)	96H	LC50	130	mg/l
Daphnia magna	48H	EC50	130	mg/l
SULPHAMIC ACID				
DAPHNIA	48H	EC50	71.6	mg/l
FISH	96H	LC50	70.3	mg/l

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12. Ecological Information

12.2 Persistence and degradability

Persistence and degradability Greater than 80% biodegradable according to method OECD 301

12.3 Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential.

12.4 Mobility in soil

Mobility Readily absorbed into soil.

12.5 PBT and PvB assessment

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

12.6 Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

13. Disposal Considerations

13.1 Waste treatment methods

Disposal operations: Dispose in accordance with local regulations.

Disposal of packaging: Dispose of as normal industrial waste

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

14. Transport Information

Transport Class: This product does not require classification for transport

15. Regulatory information

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

Not applicable

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the mixture by the supplier

16. Other information

Full text of H-statements referred to under sections 2 and 3

H301+H331: Toxic if swallowed or inhaled

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Legend to abbreviations

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

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16. Other information

dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular/corneal
PCP = physico-chemical properties

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

Legal Disclaimer:

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

█ Indicates updated section