

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

1.1 Product Identifier Steamkleen

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

Uses: Steam Generator Cleaner

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
Eye Irrit. 2	H319
Skin Irrit 2	H315

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 pictograms: GHS07: Warning

Hazard symbols:



Signal word:

Warning

Hazard statements:

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statements: P102

Keep out of reach of children

P402

Store in a dry place.

P305+P351+P338

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

P303+P36+P353:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated

Hazardous components which must be listed on the label

Citric Acid monahydrate

2.3 Other Hazards

No other information is available.

Trade Name: SteamKleen

3. Composition/information on ingredients

3.1 Substances

Chemical Name	Index-No.	CAS-No.	EC-No.
Citric Acid monohydrate		5949-29-1	201-069-1 H319; H315

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention. Dust may irritate throat and cause coughing.

In case of skin contact: Remove affected person from source of contamination. Remove contaminated clothing. Get medical attention if irritation persists after washing. Wash skin thoroughly with soap and water for several minutes.

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

If swallowed: Immediately drink a minimum of 2 glasses of water to dilute, rinse out the mouth. DO NOT INDUCE VOMITING. Seek medical attention if discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms & effects: No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat Symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Use fire-extinguishing media appropriate for surrounding materials. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog

Unsuitable media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards: May develop highly toxic or corrosive fumes if heated.

5.3 Advice for fire-fighters

Protective equipment: Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

Further Information: Keep run-off water out of sewers and water sources. Dike for water control.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration

[Cont....]

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Cleaning up Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Prevent formation of dust

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage : No special measures required

Advice on protection against fire: Normal measures for preventive fire protection

Further information on storage Store in cool, dry conditions in well sealed receptacles

Advice on common storage: Keep away from food, drink and animal feeding stuffs. Keep away from combustible material

7.3 Specific end uses

No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Regulatory Basis: Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures Prevent formation of dust

Personal protective equipment

Respiratory protection If dusty wear a face mask

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374. The glove material has to be impermeable to the product. Protective gloves should be replaced at first sign of wear.

Eye protection Tightly fitting safety goggles.

Skin and body protection Wear suitable protective clothing to prevent contact with the skin.

Environmental exposure controls

General advice: Local authorities should be advised if significant spillages cannot be contained

Trade Name: SteamKleen

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Solid
Colour: White
Odour: Strong acidic taste. Odourless

pH @ 20°C: 2.2 (10g/l
Melting Point: 153°C
Boiling point/boiling range: Undetermined
Flash point: 100°C
Flammability (solid, gas): Product is not flammable
Density @ 20°C: 1.542
Water solubility: 600 g/l
Ignition temperature: >250°C
Thermal decomposition: 45°C
Viscosity, kinematic: 15 cps @15°C
Explosive properties: Product does not present an explosion hazard

9.2 Other Information

Bulk Density at 20°C 900 kg/m³

10. Stability and reactivity

10.1 Reactivity

Reactivity Stable under normal temperature conditions and recommended use.

10.2 Chemical stability

Chemical stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions No information available

10.4 Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Water, moisture.

10.5 Incompatible materials

Materials to avoid: Alkali metals. Bases, alkalis (inorganic). Bases, alkalis (organic). Strong reducing agents. Strong oxidising substances.

10.6 Hazardous decomposition products

Haz. decomp. products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. Toxicological Information

11.1 Information on toxicological effects

Component: Citric Acid CAS No: 77-92-9

Route	Species	Test	Value	Units
Oral	Mouse	LD50	5,040	mg/kg

Primary Irritant effect

If inhaled: Irritating effect
On the skin: Irritating effect
On the eye: Irritating effect

Carcinogenic There is no evidence that this substance has any carcinogenic properties.

Mutagenic There is no evidence that this substance is mutagenic

Sensitization: No sensitizing effects known

Additional toxicological information: If Ingested may cause discomfort.

Trade Name: SteamKleen

12. Ecological Information

12.1 Toxicity

Etoxicity Not regarded as dangerous for the environment.

12.2 Persistence and degradability

Persistence and degradability The product is more than 80% biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential Product is not expected to bioaccumulate.

12.4 Mobility in soil

Mobility Soluble in water, predicted to have high mobility in soil.

12.5 PBT and PvB assessment

PBT identification: No data available

12.6 Other adverse effects

Other adverse effects: No further information available

13. Disposal Considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment ,dispose to an authorised waste collection point

Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

14. Transport Information

Not classified as hazardous for transportation.

14.5 Environmental hazards

Clean up even minor leaks or spills if possible without unnecessary risk

15. Regulatory information

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

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

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

H315 Causes skin irritation

H319 Causes serious eye irritation

Further information

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

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.

Revision 5

█ Indicates updated section.