



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

**1.1 Product Identifier**

Chemical	Citric Acid
Weight	1 kg
Code	F7315

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

Uses: At this time we do not yet have information on identified uses.

**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](mailto: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 Category	Target Organs	Hazard Statements
Eye Irrit. 2	2		H319
Skin Irrit 2	2		H315

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

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Hazard Symbol/Category of danger	Risk phrases
Irritant	R36/37/38

For the full text of the R phrases 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 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.

Response	P305+P351+ 338	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 clothing. Rinse skin with water

**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 nature: Granulate

#### Chemical Name

#### Identification Numbers

	Index-No.	CAS-No.	EC-No.	R/H Phrases
Citric Acid monahydrate		5949-29-1	201-069-1	H319; H315 - R36/37/38

### 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: No further information available.

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

Unsuitable extinguishing media: Currently we do not have any information from our supplier about this.

#### 5.2 Special hazards arising from the substance or mixture

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

#### 5.3 Advice for fire-fighters

Special 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. For personal protection see section 8.

**6.2 Environmental precautions**

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

**6.3 Methods and materials for containment and 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: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

Contains no substances with occupational exposure limit values

**8.2 Exposure controls**

**Engineering measures** Prevent formation of dust

**Personal protective equipment**

Respiratory protection Advice: If dusty wear a face mask

Hand protection Advice: 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 Advice: Tightly fitting safety goggles.

Skin and body protection Advice: 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/m <sup>3</sup>
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## 10. Stability and reactivity

10.1 Reactivity	Stable under normal temperature conditions and recommended use.
10.2 Chemical stability	Stable under normal temperature conditions and recommended use.
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	Avoid excessive heat for prolonged periods of time. Water, moisture.
10.5 Incompatible materials	Alkali metals. Bases, alkalis (inorganic). Bases, alkalis (organic). Strong reducing agents. Strong oxidising substances.
10.6 Hazardous decomposition 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

<b>12.1 Toxicity</b>	Not regarded as dangerous for the environment.
<b>12.2 Persistence and degradability</b>	The product is more than 80% biodegradable
<b>12.3 Bioaccumulative potential</b>	Product is not expected to bioaccumulate.
<b>12.4 Mobility in soil</b>	Soluble in water, predicted to have high mobility in soil.
<b>12.5 PBT and PvB assessment</b>	No data available
<b>12.6 Other adverse effects</b>	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

<b>14.1 UN Number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packaging Group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Clean up even minor leaks or spills if possible without unnecessary risk
<b>14.6 Special precautions for user</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

## 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 R-phrases referred to under sections 2 and 3  
R36/37/38 Irritating to eyes, skin and respiratory system

Full text of H-statements referred to under sections 2 and 3  
H315 Causes skin irritation  
H319 Causes serious eye irritation

(continued on Page 7)

**16. Other information****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.

**• Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS European Inventory of Existing Commercial Chemical Substances.

CAS: Chemicals Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

<b>Revision</b>	<b>Date</b>	<b>By</b>	<b>Amendment</b>
1		Linda Brueford	Created
2	10/06/2010	Linda Brueford	Sections 2 & 3 swapped round to comply with REACH, classification changes in section 2, 14 and 15 and other minor editorial amendments.
3	03/11/2011	Linda Brueford	GHS label elements added, Updated to 2011 European requirements and other minor editorial amendments
4	07/01/2014	Linda Brueford	Emergency out of hours number added and other minor editorial amendments.