

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

1.1 Product Identifier Pool Perfect

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

Uses: For the treatment of filters

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

The product is not classified according to the CLP regulations

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

This product does not need to be labelled in accordance with EC Regulations and Directives

Precautionary statements: P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use
P261 Avoid breathing mist
P280 Wear protective gloves and eye/face protection
P301+330+331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P302+352: IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.

2.3 Other Hazards

3. Composition/information on ingredients

3.1 Mixture

Mixture of the chemicals listed below with non-hazardous additives.

Chemical Name	CAS-No.	EINECS	Index	Amount
Subtilism Protease	9014-01-1	232-752-2	647-012-00-8	0.65% H335;H315;H318;H334
Cellulase	9012-54-8	232-734-4	647-002-00-3	<5.3% H334
Lipase	9001-62-1	232-619-9		<5.3% H334
Amylase	9000-85-5	232-560-9		<5.3% H334

4. First Aid measures

4.1 Description of first aid measures

- General Advice: Immediately remove any clothing soiled by the product. Show this safety data sheet to the doctor in attendance.
- If inhaled: : If large amounts of fumes are inhaled, remove to fresh air and consult a physician. If not breathing give artificial respiration.
- In case of skin contact: Wash off with soap and plenty of water. Consult a physician if necessary.
- In case of eye contact: Check for and remove any contact lenses. Rinse opened eye for at least 15 minutes under running water. Keep eye wide open while rinsing. Urgently seek medical attention.
- If swallowed: If swallowed, induce vomiting immediately if directed to do so by medical personnel. Call a physician or a poison control center immediately

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: Eye, skin, and/or respiratory tract irritation

4.3 Indication of immediate medical attention and special treatment needed

Treat Symptomatically

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: In case of fire, use water spray (fog) foam, dry chemical or CO₂

5.2 Special hazards arising from the substance or mixture

Specific Hazards : Oxides of carbon, nitrogen aldehydes and ketones

5.3 Advice for fire-fighters

- Protective equipment : Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.
- Further Information: No information available.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: If outside keep bystanders upwind and away from the danger point. 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.

6.2 Environmental precautions

Environmental precautions: None known

6.3 Methods and materials for containment and cleaning up

- Cleaning up Clean up spill immediately. Contain and/or absorb spill with inert material (e.g.sand or vermiculite).
- Further information Treat recovered material as per Section 13

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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

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 workday.

7.2 Conditions for safe storage, including any incompatibilities.

Storage requirements: Keep container tightly closed when not in use

Fire Prevention: Ground all equipment

Further information: Store in cool dry conditions in well sealed receptacles,

Common storage: Do not store together with oxidisers

7.3 Specific end uses No information available**8. Exposure control/personal protection**

8.1 Control parameters Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures: Local exhaust acceptable. Special exhaust not required

Personal protective equipment

Respiratory protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Respirator use is not required for this product.

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.

Skin and body protection: Special skin protection should not be needed

Environmental exposure controls

General advice: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Liquid
Colour:	Pale Brown
Odour:	Ferment
pH	6
Melting point	Not available
Boiling point/boiling range:	212°F
Autoignition temperature	700°F
Upper flammable limit	12.5
Lower flammable limit	2.6
Vapour density	2.1
Vapour pressure	<1
Water solubility:	>10%
Specific gravity	1.0381

9.2 Other Information

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications

10. Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended transport or storage conditions

10.2 Chemical stability

Chemical stability No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions: No hazardous reactions known

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid Strong oxidizing agents.

10.6 Hazardous decomposition products

Haz. Decomp. products: Oxides of carbon, nitrogen aldehydes and ketones

Other Information : Hazardous Polymerization will not occur.

11. Toxicological Information

11.1 Information on toxicological effects

Toxicity Values No information available

Primary Irritant effect:

On the skin: Causes skin irritation
On the eyes: Causes eye irritation
Inhalation: May cause respiratory tract irritation
Ingestion: May be harmful if swallowed

Sensitization: No information available

Carcinogenic No information available

Mutagenic No information available

12. Ecological Information

12.1 Toxicity

Toxicity No data available

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumulative potential

Bioaccumulative potential No data available

12.4 Mobility in soil

Mobility in soil No data available

12.5 Results of PBT and PvB assessment

PBT and PvB No data available

12.6 Other adverse effects

Adverse effects No data 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.

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

H318: Causes serious eye damage

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory 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.

Rev 4

Indicates updated section