

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

1.1 Product Identifier

Trade Name: Phosfree Stain & Scale Inhibitor

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

Uses: Stain & Scale Inhibitor

Restrictions: 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

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

This product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

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: Not hazardous - No Criteria found

Signal word: Not applicable

Hazard statements: Not hazardous - No Criteria found

Prevention P280: Wear protective gloves/eye protection

Response 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

Storage P402+404: Store in a dry place. Store in a closed container

Disposal P501: Dispose of contents/container to landfill only if it is impossible to recycle.

Hazardous components which must be listed on the label

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Liquid

A mixture of the chemicals listed below with non hazardous additions

Chemical Name	Identification Numbers	Amount %
modified polyacrylatye		>= 43 - V+ 45%

4. First Aid measures**4.1 Description of first aid measures**

General Advice:	This product poses minimal health hazards
If inhaled:	Unlikely route of exposure; move patient to fresh air
In case of skin contact:	Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use.
In case of eye contact:	May cause irritation, tearing and blurred vision; flush with water for 15 minutes, consult a physician.
If swallowed:	Do not induce vomiting; wash mouth with water and give water to drink. Get immediate medical attention.

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. No further information available.
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5. Fire fighting measures**5.1 Extinguishing media:**

Suitable extinguishing media: Use extinguishing measures that are appropriate to local, circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire Thermal decomposition may emit Oxides of sulphur; hydrogen chloride.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit).

Further Information: Dispose of fire debris & contaminated fire fighting water in accordance with local regulations.

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 allow to enter sewers surface or ground water.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up. Absorb with a liquid binding material (sand, diatomite, universal binders).
Dispose of contaminated material as waste according to item 13.

Further information Treat recovered material as described in the section "Disposal considerations"

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 breathing vapours, aerosols and mists from concentrate. Use with adequate ventilation. Avoid contact with the eyes. Avoid prolonged or repeated contact with skin and clothing. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:	Store in original container
Advice on protection against fire and	No special measures required
Further information on storage conditions:	Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area.
Suitable materials for storage	glass lining, PVC, polypropylene, glass reinforced plastic, polyethylene
Unsuitable materials for storage	mild steel, carbon steel, aluminium and other metals
Advice on common storage:	Keep away from food, drink and animal feeding stuffs.
7.3 Specific end uses	
Specific use(s)	No information is available.

8. Exposure control/personal protection**8.1 Control parameters**

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8.

General Information: Use in a well ventilated area

Personal protective equipment

Respiratory protection Advice: None required for normal use of this product. If needed an approved respirator

Hand protection Advice: Gloves
Material Advice: PVC, Nitrile (rubber)

Eye protection Advice: Chemical goggles

Skin and body protection Advice: Wear appropriate clothing to prevent repeated or prolonged skin contact

Environmental exposure controls

General advice: Dispose of in accordance with all applicable local and national regulations,

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

Form:	Liquid
Colour:	Clear - pale yellow
Odour:	Acrylic
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	7 @ 100 g/l
Solidification point	Currently we do not have any information from our supplier about this.
Melting Point	N/A
Boiling point/boiling range:	>100°C
Flash point:	Product is a non flammable aqueous solution
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Product does not present an explosion hazard
Lower explosion limit:	Product does not present an explosion hazard
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	Completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	<800
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight	3.540
Specific Gravity	1,3 @ 20°C

10. Stability and reactivity

10.1 Reactivity	No information available.
10.2 Chemical stability	
Advice:	To avoid decomposition do not overheat
10.3 Possibility of hazardous reactions	
Hazardous reactions:	No dangerous reactions known
10.4 Conditions to avoid	
Conditions to avoid	Elevated temperatures
10.5 Incompatible materials	
Materials to avoid	Strong acids, reducing agents,
10.6 Hazardous decomposition products	
Hazardous decomposition products:	Carbon monoxide, carbon dioxide , nitrogen oxides (Nox)

11. Toxicological Information**11.1 Information on toxicological effects**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

Primary Irritant effect

On the skin: May cause irritating effect

On the eye: May cause irritating effect

Sensitization: May cause sensitization by skin contact

Inhalation Inhalation of mists or aerosols may cause nose and throat irritation.

Ingestion Swallowing may cause gastrointestinal irritation with nausea and vomiting.

Carcinogen None of the components of this product are listed as carcinogens.

Further information

Other relevant toxicity information: May aggravate pre-existing skin diseases

12. Ecological Information**12.1 Toxicity**

Chemical Oxygen demand: 744000 mg/l

Biochemical Oxygen demand: < 1600 mg/l 5d

12.2 Persistence and degradability

Remarks: Not readily biodegradable

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: Avoid direct release to the environment

13. Disposal Considerations**13.1 Waste treatment methods**

Product:

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

European Waste Catalogue No:

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Trade Name: Phos Free Stain & Scale Inhibitor

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

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

Regulatory List	Notification	Notification No
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The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

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

Further information R36/37/38 Irritating to eyes, respiratory system and skin

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:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
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

Revision	Date	By	Amendment
1	09/02/10	Linda Brueford	Created
2	28/03/12	Linda Brueford	GHS label elements added and other minor editorial amendments