

**Spa Flush Plus**

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

**1.1 Product Identifier** Clear Spa Flush Plus

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

Uses: Rapidly removes the build-up of soaps & oils in spa pipework

**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) 3712 229084 ( 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	Target Organs
Skin Corrosion 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 symbols:



Signal word: Danger

Hazard statements: H314 Causes severe skin burns and eye damage

Precautionary statements: P405+P102	Store locked up/Keep out of reach of children
P260	Do not breathe mist/vapours/spray.
P303+361+353:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P310	Immediately call a POISON CENTER or doctor/physician
P501	Dispose of contents/container in accordance with regulations

**Hazardous components which must be listed on the label**

Label requirements DIDECYLDIMONIUM CHLORIDE <5%

**2.3 Other Hazards** No other information is available.

Trade Name: Spa Flush Plus

### 3. Composition/information on ingredients

#### 3.2 Mixture

Chemical nature: Mixture of substances listed below with nonhazardous additions

EINECS	CAS No:	Index No	%	CLP Classification
<b>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides</b>				
269-919-4	68391-01-5		2.5 - 10%	Acute Tox.4 H302; Skin Corr. 1B H314; Aquatic Acute 1 H400
<b>didecyldimethylammonium chloride</b>				
230-525-2	7173-51-5	612-131-00-6	2.5 - 10%	Acute Tox.4 H302; Skin Corr. 1B H314;
<b>N-Alkyl(C12-18)-N-[(ethylphenyl)methyl]-N,N-dimethylammoniumchlorid</b>				
273-318-2	68956-79-6		2.5 - 10%	Acute Tox.4 H302; Skin Corr. 1B H314; Aquatic Acute 1 H400
<b>propan-2-ol</b>				
200-661-7	67-63-0	603-117-00-0	1.0 - 2.5%	Flam.Liq2 H225; Eye Irrit.2 H319; STOT SE3 H336

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.  
If inhaled: In case of unconsciousness place patient stably in side position for transportation  
In case of skin contact: Immediately wash with water and soap and rinse thoroughly  
In case of eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor  
After swallowing: If symptoms persist consult doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and 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 CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

#### 5.2 Specific Hazards during fire

Specific hazards No information available.

#### 5.3 Advice for fire-fighters

Special measures No special measures required

**Further Information:** Collect contaminated fire extinguishing water separately.

### 6. Accidental release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes.

#### 6.2 Environmental precautions

Environmental precautions: Do not allow to penetrate the ground/soil. Do not allow to enter the drains/surface or groundwater.

**6. Accidental release Measures****6.3 Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up      Absorb with liquid-binding material (sand, diatome, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.

Further information      Treat recovered material as described in 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:      Keep container tightly closed. Use personal protective equipment. Avoid contact with the skin and the eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

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. Take off all contaminated clothing immediately. Avoid contact with skin, eyes and clothing.

**7.2 Conditions for safe storage, including any incompatibilities.**

Requirements for storage:      Store in original container  
Protection against fire and explosion:      No special measures required.  
Further information on storage      Keep away from heat and direct sunlight.

**7.3 Specific end uses**      No information available.

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

Hazardous ingredients that require monitoring in the workplace:

**67-63-0 propan-2-ol**

WEL	Short Term Value	1250 mg/m <sup>3</sup>	500ppm
	Long Term Value	999 mg/m <sup>3</sup>	400ppm

**8.2 Exposure controls**

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

**Personal protective equipment**

Respiratory protection      No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust 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.

Eye protection      Tightly fitting safety goggles.

Skin and body protection      Acid resistant protective clothing.

**Environmental exposure controls**

General advice:      Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration  
If the product contaminates rivers and lakes or drains inform respective authorities

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

Form:	Liquid
Colour:	According to product specification
Odour:	Characteristic
Melting point	Undetermined
Boiling point/boiling range:	100°C
Flash point:	Not applicable
Self-igniting	Product is not selfigniting
Danger of explosion:	Product does not present an explosion hazard
Vapour pressure:	23 hPa
Density @ 20°C:	Not determined
Water solubility:	Not miscible or difficult to mix

## Solvent Content

Organic Solvents	1.4%
Water	85.0%
VOC (EC)	1,40%

**9.2 Other Information**

Solids Content	7.20%
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**10. Stability and reactivity****10.1 Reactivity**

Reactivity	Stable under recommended transport or storage conditions.
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**10.2 Chemical stability**

Chemical stability	No decomposition if stored and applied as directed.
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**10.3 Possibility of hazardous reactions**

Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
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**10.4 Conditions to avoid**

Conditions to avoid	No information available.
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**10.5 Incompatible materials**

Materials to avoid	No information available.
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**10.6 Hazardous decomposition products**

Haz. decomp. products:	None known
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**11. Toxicological Information****11.1 Information on toxicological effects****Primary irritant effect:**

**On the skin:** Irritant to skin and mucous membranes

**On the eye:** Irritating effect

**Sensitization:** no sensitizing effects known

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest versions:

Irritant

**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: Product is not expected to bioaccumulate

**12.4 Mobility in soil**

Mobility: No data available

**12.5 Results of PBT and vPvB assessment**

PBT identification: No data available

**12.6 Other adverse effects**

Other adverse effects Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system  
Danger to drinking water if even small quantities leak into the ground.

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

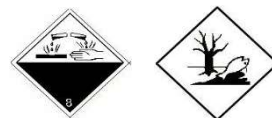
Product: Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

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.

**14. Transport Information****14.1 UN Number**

UN1760

**14.2 UN proper shipping name**

CORROSIVE LIQUID, N.O.S .  
(N-Akyl (C12- 18) -N- [ (ethylphenyl )methyl ] -N, Ndimethylammoniumchlorid, Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl

**14.3 Transport hazard class(es)**

Class	8
Classification Code	C9
Hazard label	80
Transport Category	3
Tunnel Code	E
EMS Number:	F-A,S-B
Symbol	Fish & Tree
LQ	5 kg

Trade Name: Spa Flush Plus

#### 14. Transport Information

<b>14.4 Packaging Group</b>	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous	Yes
Marine Pollutant	No
<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>	
IMDG:	Not applicable

#### 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**
- 15.2 Chemical Safety Assessment**  
No data available

#### 16. Other information

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

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very Toxic to Aquatic Life

##### 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.

█ Indicates updated section