

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

1.1 Product Identifier Spa Surface Cleaner

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

Uses: Liquid cleaner for waterline deposits in spas and hot tubs.

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 under CLP: Eye Dam. H318

Skin Irrit 2 H315

Most important adverse effects Causes skin irritation.
Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements: H315 Causes skin irritation.
H318 Causes serious eye damage.

Signal word: Danger

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark



Precautionary statements:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

P314: Get medical attention if you feel unwell

P337 +313: If eye irritation persists: Get medical advice/attention.

2.3 Other Hazards

PBT This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

3.1 Mixture

Hazardous ingredients:

TETRAPOTASSIUM PYROPHOSPHATE

| EINECS | CAS | PBT/WEL | CLP Classification | Percent |
|-----------|-----------|---------|--------------------|---------|
| 230-785-7 | 7320-34-5 | - | Eye Irrit. 2: H319 | 1 - 10% |

ETHOXYLATED C9 - C11 ALCOHOLS

| | | | | |
|---|------------|---|--------------------------------------|-------|
| - | 68439-46-1 | - | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10% |
|---|------------|---|--------------------------------------|-------|

A-ALANINE, N-COCO ALKYL DERIVS., SODIUM SALTS

| | | | | |
|-----------|------------|---|--------------------|-------|
| 271-795-1 | 68608-68-1 | - | Eye Irrit. 2: H319 | 1-10% |
|-----------|------------|---|--------------------|-------|

DISODIUM METASILICATE

| | | | | |
|-----------|-----------|---|--------------------------------------|-------|
| 229-912-9 | 6834-92-0 | - | Skin Corr. 1B: H314; STOT SE 3: H335 | 1-10% |
|-----------|-----------|---|--------------------------------------|-------|

Contains: Mixture of listed substances with non hazardous additions.

4. First Aid measures

4.1 Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Check for and remove any contact lenses. Open eyes wide apart. Rinse opened eye with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3 Indication of immediate medical attention and special treatment needed

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: In combustion emits toxic fumes

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing. Turn leaking containers leaktight up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of the MSDS

Trade Name: Spa Surface Cleaner

7. Handling and storage

7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.3 Specific end uses

Specific use(s) No data available.

8. Exposure control/personal protection

8.1 Control parameters

Hazardous ingredients:

TETRAPOTASSIUM PYROPHOSPHATE

Workplace exposure limits:

Respirable Dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|--------------|------------|--------------|
| EU | 2.79mg/m ³ | - | - | - |

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area.

Respiratory protection Self-contained breathing apparatus must be available in case of emergency.

Hand protection 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. Ensure eye bath is to hand.

Skin and body protection Protective clothing.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid

Colour: Straw

Odour: Characteristic odour

Relative density: 1.053

pH: >10

9.2 Other Information

No data available

10. Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Chemical stability Stable under normal conditions

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Conditions to avoid Heat

10.5 Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological Information**11.1 Information on toxicological effects** Not available

Hazardous ingredients:

TETRAPOTASSIUM PYROPHOSPHATE

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RBT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | 2000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | 0.58 | mg/l |

ETHOXYLATED C9 - C11 ALCOHOLS

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
|--------|-----|------|-------|-------|

A-ALANINE, N-COCO ALKYL DERIVS., SODIUM SALTS

| | | | | |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >5000 | mg/kg |
|------|-----|------|-------|-------|

DISODIUM METASILICATE

| | | | | |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 770 | mg/kg |
| ORL | RAT | LD50 | 1153 | mg/kg |

Relevant hazards for substance:

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

Symptoms / routes of exposure

| | |
|---------------|---|
| Skin contact: | There may be irritation and redness at the site of contact. |
| Eye contact: | There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage. |
| Ingestion | There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. |
| Inhalation | There may be irritation of the throat with a feeling of tightness in the chest. |

12. Ecological Information**12.1 Toxicity**

Hazardous ingredients:

ETHOXYLATED C9 - C11 ALCOHOLS

| | | | |
|---------------|----------|------|------|
| Daphnia magna | 48H EC50 | >5.3 | mg/l |
|---------------|----------|------|------|

A-ALANINE, N-COCO ALKYL DERIVS., SODIUM SALTS

| | | | |
|---------------|----------|------|------|
| Daphnia magna | 48H EC50 | 97.5 | mg/l |
|---------------|----------|------|------|

12.2 Persistence and degradability

Persistence and degradability Biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential

12.4 Mobility in soil

Mobility Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects Negligible ecotoxicity.

Trade Name: Spa Surface Cleaner

13. Disposal Considerations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

Transport class: This product does not require a classification for transport.

15. Regulatory information

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

Specific regulations: Not applicable.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture

16. Other information

Full text of phrases referred to under sections 2 and 3

| | |
|------|---|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| 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.