

## Spa Revive

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

**1.1 Product Identifier** Spa Revive

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

Uses: Disinfectant and Clarifier

**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**

Skin Corrosion 1A H314

Aquatic Chronic 1 H410

STOT 3 H335

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 statements: H272: May Intensify fire; oxidiser  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H410: Very toxic to aquatic life with long lasting effects  
H302 + EUH031: Harmful if swallowed; Contact with acids liberates toxic gases  
H335: May cause respiratory irritation

Signal word: Danger

Hazard pictograms:



Warning! Do not use together with other products. May release dangerous gases (chlorine).

P221: Take any precaution to avoid mixing with combustibles

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking

P285: In case of inadequate ventilate wear respiratory protection

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P405: Store locked up.

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

sodium dichloroisocyanurate Dihydrate and disodium peroxide sulphate

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

**3. Composition/information on ingredients**

**3.1 Mixture** Mixture of substances listed below with non hazardous additions

Index No	Cas No	EC No.	%	CLP Phrases
<b>sodium dichloroisocyanurate Dihydrate,</b>				
613-030-01-7	51580-86-0	220-767-7	25-50%	H400: H410: H302: H319 : H335
<b>disodium peroxide sulphate</b>				
-	7775-27-1	231-890-1	2.5-10%	H272:H334:H302H315: H319: H317: H335

Additional information: For the wording of the listed risk phrases refer to section 16.

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

General Advice: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

If inhaled: : Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation

In case of skin contact: Call a doctor immediately. Immediately wash with water and soap and rinse thoroughly

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately.

If swallowed: Rinse out mouth and then drink plenty of water. Call for a doctor immediately. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

**4.2 Most important symptoms and effects, both acute and delayed** No relevant information

**4.3 Indication of immediate medical attention and special treatment needed**

Treatment Treat Symptomatically.

**5. Fire fighting measures****5.1 Extinguishing media:**

Suitable media: Water, Water Spray, carbon dioxide

Unsuitable media: Extinguishing powder, Foam, Water with full jet

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

Specific Hazards during fire Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Nitrogen oxides (NOx) ; Hydrogen chloride (HCl) ; Chlorine ; Nitrogen trichloride

**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: Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system

**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. Do not breath dust.  
For personal protection see section 8.

**6.2 Environmental precautions**

Environmental precautions: Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course / sewage system.  
Keep contaminated washing water and dispose of appropriately

**6.3 Methods and materials for containment and cleaning up**

Cleaning up Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

**6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information

**7. Handling and storage****7.1 Precautions for safe handling**

Safe handling Store in cool, dry place in tightly closed receptacles. Provide suction extractors if dust is formed. Restrict the quantity stored at the work place. Do not refill residue into storage receptacles. Ensure good ventilation/exhaustion at the workplace. 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 workday. Take off all contaminated clothing immediately. Avoid contact with skin, eye and clothing.

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

Requirements for storage : Store only in the original receptacle.  
Advice on protection against fire : Normal measures for preventive fire protection  
Further information on storage Protect from humidity and water.  
Advice on common storage: Do not store together with acids.

**7.3 Specific end uses**

No information is available.

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

Components with critical values that require monitoring at the workplace: Observe all workplace limits for dust.

Sodium dichloroisocyanurate, dihydrate		ppm	mg/m <sup>3</sup>
WEL (Great Britain)	Short-term value:		0.07
	Long Term Value		0.02
	Sen; as -NCO		

**Exposure controls****General protective and hygienic measures**

Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Wash hands during breaks and at the end of the work. Use skin protection cream for preventive skin protection. Do not eat, drink or smoke while working.

**8. Exposure control/personal protection****Personal protective equipment**

Respiratory protection	Dust proof mask - particle filter mask In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Use breathing protection in case of dust formation.
Hand protection	Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
Suitable Material	Nitrile rubber, NBR: Chloroprene rubber, CR: Butyl rubber, BR
Eye protection	Tightly sealed safety goggles approved to standard EN 166. Provide eye station
Skin and body protection	Protective work clothing Protective clothing should be selected specifically for the work place.
General advice:	General room ventilation plus local exhaust should be used to maintain exposure below

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

Form:	Granules
Colour:	White
Odour:	Like chlorine
pH @ 20°C:	6
Melting Point	250°C
Bulk Density @ 20°C:	1000 kg/m <sup>3</sup>
Water solubility:	250 g/l
Ignition temperature:	250°C
Decomposition Temperature:	> 145°C
Viscosity, kinematic:	Not Applicable
Explosive properties:	Product is not explosive.
Oxidising properties:	Oxidiser
Organic solvents:	0.00%

**9.2 Other Information**

Solids content	100%
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**10. Stability and reactivity****10.1 Reactivity**

Reactivity	Strong exothermic reaction with acids.
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**10.2 Chemical stability**

Chemical stability	To avoid thermal decomposition do not overheat.
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**10.3 Possibility of hazardous reactions**

Hazardous reactions	Reacts with oxidizing agents, strong alkalis, amines, flammable substances, reducing agents and reacts with acids releasing chlorine.
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**10.4 Conditions to avoid**

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

Incompatible materials	Warning! Do not use together with other products. May release dangerous gases (chlorine)
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**10.6 Hazardous decomposition products**

Haz decomp products	Hydrogen chloride (HCl) : Chlorine : Nitrogen oxides (NOx)
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**11. Toxicological Information****11.1 Information on toxicological effects**

<b>sodium dichloroisocyanurate, dihydrate 51580-86-0</b>				
Route	Species	Test	Value	Units
Oral	Rat	LD50	1400	mg/kg
Dermal	Rabbit	LD50	>5000	mg/kg
Inhalative	Rat	LC50	950	mg/kg
<b>disodium peroxodisulphate 7775-27-1</b>				
Oral	Rat	LD50	920	mg/kg
Dermal	Rat	LD50	> 10000	mg/kg
Inhalative	Rat	LD50	> 5.1	mg/kg

**Primary irritant effect:**

**on the skin:** No irritant effect

**on the eye:** Irritant effect.

**Sensitization:** Sensitization possible through inhalation.  
Sensitization possible through skin contact.

**Carcinogenic** No further information available  
**Mutagenic** No further information available

**12. Ecological Information**

**12.1 Toxicity** Very Toxic for fish

<b>disodium peroxodisulphate</b>		<b>7775-27-1</b>		
Species	Test	Value	Units	
daphnia	EC50	133	mg / l	
(Danio rerio (Zebrafisch))	EC50	4.4	mg / l	
(Selenastrum capricornutum (Grünalge))	IC50	33	mg / l	

**12.2 Persistence and degradability**

Persistence and degradability No further relevant information

**12.3 Bioaccumulative potential**

Bioaccumulative potential No further relevant information

**12.4 Mobility in soil**

Mobility in soil No further relevant information

**12.5 PBT and PvB assessment**

PBT and PvB: Not applicable

**12.6 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.  
Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

**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>	1505
<b>14.2 UN proper shipping name</b>	1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS
<b>14.3 Transport hazard class(es)</b>	
Class	5.1 Oxidising Substances
Classification Code	O2
Hazard label	50
Transport Category	3
EMS No	F-A,S-Q
Tunnel	E
<b>14.4 Packaging Group</b>	III
<b>14.5 Environmental hazards</b>	Classified as environmentally hazardous: Marine Pollutant
Special marking	Fish and tree
<b>14.6 Special precautions for user</b>	Warning: Oxidising substances
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	SGAV

## 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

## 16. Other information

## Relevant phrases

H272	H272 May intensify fire; oxidiser.
H302	H302 Harmful if swallowed.
H315	H315 Causes skin irritation.
H317	H317 May cause an allergic skin reaction.
H319	H319 Causes serious eye irritation.
H334	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	H335 May cause respiratory irritation.
H400	H400 Very toxic to aquatic life.
H410	H410 Very toxic to aquatic life with long lasting effects

Warning! Do not use together with other products. May release dangerous gases (chlorine).

Use biocides safely. Always read the label and product information before use.

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█ Indicates updated section.