

Spa Fusion

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

1.1 Product Identifier Spa Fusion

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

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

Skin Corrosion 1A H314
Aquatic Chronic 1 H4110
STOT SE 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 physicochemical information
Potential environmental effects: See section 12 for environmental information

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word: Danger

Hazard Statements

H272: May Intensify fire; oxidiser
H302: Harmful if swallowed
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335: May cause respiratory irritation
H410: Very toxic to aquatic life with long lasting effects
EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).
EUH031: Contact with acids liberates toxic gases

Precautionary Statements

P102: Keep out of reach of children
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking
P221: Take any precaution to avoid mixing with combustibles
P285: In case of inadequate ventilate wear respiratory protection

Trade Name: Spa Fusion

2. Hazard Identification...cont

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

P501: Dispose of contents / container in accordance with national regulations

Hazardous components which must be listed on the label

Label requirements sodium dichloroisocyanurate Dihydrate
disodium peroxide sulphate

2.3 Other Hazards

Other information 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 Classification
sodium dichloroisocyanurate Dihydrate				
613-030-01-7	51580-86-0	220-767-7	25-50%	Acute Tox.4 H302; Eye Irrit.2 H319 STOT SE 3 H335; Aquatic Acute 1 H400; Aquatic Chronic 1 H410
disodium peroxide sulphate				
-	7775-27-1	231-892-1	2.5-10%	H272; Acute Tox.4 H302; Skin Irrit.2 H315; Skin Sens.1 H317; Eye Irrit.2 H319; Resp.Sens.1 H334; STOT SE3 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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms & effects 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: 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

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

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

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

7.3 Specific end uses

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 ³
WEL (Great Britain)	Short-term value:	0.07
	Long Term Value	0.02
	Sen; as -NCO	

Exposure controls**General:**

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

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 clothing should be selected specifically for the work place.

General advice: General room ventilation plus local exhaust should be used to maintain exposure below TLV. Eyewash and emergency shower facilities recommended. Remove and wash contaminated clothing before reuse.

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
 Flash point: Not applicable
 Evaporation rate: Not applicable
 Bulk Density @ 20°C: 1000 kg/m³
 Water solubility: 250 g/l

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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%

10. Stability and reactivity

10.1 Reactivity

Reactivity Strong exothermic reaction with acids.

10.2 Chemical stability

Chemical stability To avoid thermal decomposition do not overheat.

10.3 Possibility of hazardous reactions

Hazardous reactions: Reacts with oxidizing agents, strong alkalis, amines, flammable substances and reducing agents.
 Reacts with acids releasing chlorine.

10.4 Conditions to avoid

Conditions to avoid No information available.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

Haz. decomp. products: Hydrogen chloride (HCl) : Chlorine : Nitrogen oxides (NOx)

11. Toxicological Information

11.1 Information on toxicological effects

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

disodium peroxodisulphate		7775-27-1	
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: No further relevant information

12.5 Results of PBT and vPvB assessment

PBT identification: No further relevant information

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.
 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**14.1 UN Number** 1505**14.2 UN proper shipping name** 1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS**14.3 Transport hazard class(es)**

Class	5.1	Oxidising Substances
Classification Code	O2	
Hazard label	50	
Transport Category	3	
EMS No	F-A,S-Q	
Tunnel Code	E	
LQ	5 kg	



14. Transport Information

- 14.4 Packaging Group III
- 14.5 Environmental hazards
 - Environmentally Hazardous Yes
 - Marine Pollutant No
 - Special marking Fish and tree
- 14.6 Special precautions for user Warning: Oxidising substances
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 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 May intensify fire; oxidiser.
 - H302 Harmful if swallowed.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - H335 May cause respiratory irritation.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects
 - EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).
 - EUH031: Contact with acids liberates toxic gases
- Use biocides safely. Always read the label and product information before use.

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Indicates updated section