

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Revision: 27.08.2007

Printing date 27.08.2007

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

- **Product details**
- **Trade name: Spa Fusion**
Pool Fusion
- Application of the substance / the preparation Disinfectant
- **Manufacturer/Supplier:**
 Complete Pool Controls Ltd,
 Unit 2, The Park, Stoke Orchard,
 Bishops Cleeve, Gloucestershire, GL52 7RS.
 Tel. ++44 (0) 871 222 9084
- **Further information obtainable from:** Technical Department
- **Information in case of emergency:** Tel. ++44 (0) 871 222 9084

2 Hazards identification

• Hazard description:



Xn Harmful
 N Dangerous for the environment

• Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 36/37 Irritating to eyes and respiratory system.

R 42/43 May cause sensitisation by inhalation and skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

• Chemical characterization

• **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:

CAS: 51580-86-0	sodium dichloroisocyanurate, dihydrate	65%
EINECS: 220-767-7	Xn, Xi, N; R 22-31-36/37-50/53	
CAS: 7775-27-1	disodium peroxodisulphate	2.5-10%
EINECS: 231-892-1	Xn, Xi, O; R 8-22-42/43	
CAS: 16828-12-9	Aluminium sulphate	2.5-10%
	Xi; R 41	

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

4 First aid measures

• General information:

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

• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

• **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:** Call for a doctor immediately.

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5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Mount respiratory protective device.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
51580-86-0 sodium dichloroisocyanurate, dihydrate
WEL Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

• General Information

Form: Granules
Colour: Colourless
Odour: characteristic

• Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

• **Flash point:** Not applicable.

• **Ignition temperature:** 250 °C

• **Self-igniting:** Product is not selfigniting.

• **Danger of explosion:** Product does not present an explosion hazard.

• **Density:** Not determined.

• **Solubility in / Miscibility with water:** Soluble.

• Solvent content:

Organic solvents: 0.0 %

• **Solids content:** 100.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Metals, acids
- **Dangerous decomposition products:** Hydrogen, chlorine

11 Toxicological information

• Acute toxicity:

• LD/LC50 values relevant for classification:

51580-86-0 sodium dichloroisocyanurate, dihydrate

Oral LD50 1400 mg/kg (rat)

• Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: Irritating effect.

• Sensitization:

Sensitization possible through inhalation.
Sensitization possible through skin contact.

• Additional toxicological information:

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

Harmful
Irritant

- **Sensitisation** May cause sensitisation by inhalation and skin contact.

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12 Ecological information

- **Ecotoxical effects:**
- **Remark:** Very toxic for fish
- **General notes:**
 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

- **Product:**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 5.1 Oxidising substances.
- **Danger code (Kemler):** 50
- **UN-Number:** 1505
- **Packaging group:** III
- **Hazard label:** 5.1
- **Description of goods:** 1505 SODIUM PERSULPHATE

- **Maritime transport IMDG:**



- **IMDG Class:** 5.1
- **UN Number:** 1505
- **Label:** 5.1
- **Packaging group:** III
- **Marine pollutant:** No
- **Proper shipping name:** SODIUM PERSULPHATE

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 5.1
- **UN/ID Number:** 1505
- **Label:** 5.1
- **Packaging group:** III
- **Proper shipping name:** SODIUM PERSULPHATE

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15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xn Harmful
 N Dangerous for the environment

- **Hazard-determining components of labelling:**

disodium peroxodisulphate
 sodium dichloroisocyanurate, dihydrate

- **Risk phrases:**

22 Harmful if swallowed.
 31 Contact with acids liberates toxic gas.
 36/37 Irritating to eyes and respiratory system.
 42/43 May cause sensitisation by inhalation and skin contact.
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**

2 Keep out of the reach of children.
 22 Do not breathe dust.
 24 Avoid contact with skin.
 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
 37 Wear suitable gloves.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

22 Harmful if swallowed.
 31 Contact with acids liberates toxic gas.
 36/37 Irritating to eyes and respiratory system.
 41 Risk of serious damage to eyes.
 42/43 May cause sensitisation by inhalation and skin contact.
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 8 Contact with combustible material may cause fire.

- *** Data compared to the previous version altered.**

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