

Pool Fusion

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

1.1 Product Identifier Pool 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
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Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

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1.4 Emergency Telephone

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2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class Hazard Statements

Ox. Sol 3	H272
Resp. Sens. 1	H334
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Skin Irrit. 2 .	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
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.
	H315:	Causes skin irritation.
	H319:	Causes serious eye irritation.
	H334:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2. Hazard Identification

H317 May cause an allergic skin reaction.
 H335: May cause respiratory irritation.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children
 P261: Avoid breathing dust
 P273 Avoid release to the environment.
 P280: Wear protective gloves / eye 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.
 P501: Dispose of contents/container in accordance with legislation

Additional information:

EUH031 Contact with acids liberates toxic gas.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

Hazard-determining components of labelling:

sodium dichloroisocyanurate, dihydrate
 disodium peroxodisulphate

2.3 Other Hazards

Results of PBT and vPvB assessment

BTand vPvB: Not applicable

3. Composition/information on ingredients

3.2 Mixture Mixture of substances listed below with non hazardous additions

sodium dichloroisocyanurate Dihydrate				
Index No	CAS No	ENICS No	%	CLP Phrases
613-030-01-7	51580-86-0	220-767-7	25-50%	H400: H410: H302: H319 : H335
disodium peroxide sulphate				
	7775-27-1	231-890-1	2.5-10%	H272:H334:H302;H315: 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

4. First Aid measures

4.1 Description of first aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: No further 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: Avoid formation of dust. Ensure adequate ventilation.
Mouth respiratory protective device.

6.2 Environmental precautions

Environmental precautions: Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

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.

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.

7.2 Conditions for safe storage, including any incompatibilities.

Storage Requirements Store only in the original receptacle.
Protection against fire : Keep respiratory protective device available.
Further information Protect from humidity and water.
Common storage: Do not store together with acids.
Storage Class: 5.1B

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

Exposure controls**General 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.

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.

Suitable Filter: Filter AB2P2.
Filter AB2P3.

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, boots, apron

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
Boiling point/boiling range:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard
Water solubility:	250 g/l

9.2 Other Information

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

Reactivity	No further relevant information
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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 and flammable substances Strong exothermic reaction with acids. Reacts with acids releasing chlorine. Reacts with reducing agents.
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10.4 Conditions to avoid

Conditions to avoid	No further relevant information
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10.5 Incompatible materials

Incompatible materials	Warning! Do not use together with other products. May release dangerous gases
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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**

sodium dichloroisocyanurate, dihydrate				51580-86-0
Route	Species	Test	Value	Units
Oral	Rat	LD50	1400	mg/kg
Dermal	Rabbit	LD50	>2000	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:

Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.

11. Toxicological Information**11.1 Information on toxicological effects**

Respiratory or skin sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: May cause respiratory irritation.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

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 (Zebraabärbling))	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 & 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**

Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14. Transport Information

14.1 UN Number UN1505

14.2 UN proper shipping name

ADR: 1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS
 IMDG: SODIUM PERSULPHATE, MARINE POLLUTANT
 IATA: SODIUM PERSULPHATE

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	E	
LQ	5 kg	



14.4 Packaging Group III

14.5 Environmental hazards

Classified as environmentally hazardous:
 Marine Pollutant

Special marking
 Fish and tree

14.6 Special precautions for user

Warning: Oxidising substances
 Stowage Category A
 Segregation Code
 SG39 Stow "separated from" ammonium compounds other than AMMONIUM PERSULPHATE (UN 1444).
 SG49 Stow "separated from" cyanides

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Transport/Additional information:

ADR
 Excepted quantities (EQ): E1
 Limited quantities (LQ) 5 kg
 Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 g
 Maximum net quantity per outer packaging: 1000 g
 Transport category 3
 Tunnel restriction code E
 IMDG
 Excepted quantities (EQ): E1
 Limited quantities (LQ) 5 kg
 Maximum net quantity per inner packaging: 30 g
 Maximum net quantity per outer packaging: 1000 g
 UN "Model Regulation": 1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS

Trade Name: Pool Fusion

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

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.

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.