

SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking**1.1 Product Identifier**

Trade Name: Aquasparkle Tablets

Other Names: Kibbled or Ground Aluminium Sulphate/Granular Flocc

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

Uses: Coagulant for water treatment

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 according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Category	Hazard Statements
	STOT SE3	H335
Eye Irritation	Category 2	H319
Skin Irritation	Category 2	H315

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: Warning

Hazard statements: H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection
 P401: Store locked up
 P101: If medical advice is needed, have product or label to hand.
 P102: Keep out of reach of children
 P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
 P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

(continued on Page 2)

Trade Name: Aquasparkle Tablets

2. Hazard Identification continued

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

P401 Store in accordance with local/national/ international regulations

P501 Dispose of contents / container in accordance with local/national/international regulations

Hazardous components which must be listed on the label

Aluminium Sulphate

2.3 Other Hazards No other information is available

3. Composition/information on ingredients

3.1 Mixture

Aluminium Sulphate

CAS No:	EC No:	%	CLP
10043-01-3	233-135 0	47-57%	H315:H319:H335

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: Not normally applicable but as a precaution remove to fresh air and keep patient

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses.

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting - seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No further information available

Effects: No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment Treat symptomatically
No further information available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Will not burn, use media appropriate for surrounding material.

5.2 Special hazards arising from the substance or mixture

Specific Hazards: Thermal decomposition (>600°C) may liberate SO_x fumes.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further Information: Dispose of fire debris & contaminated fire fighting water in accordance with local regulations.
Collect fire fighting water separately. it must not enter drains.

Trade Name: Aquasparkle Tablets

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use appropriate personal protective equipment as detailed in section 8.

6.2 Environmental precautions

Environmental precautions: Do not let product enter drains, contain the material and sweep up.

6.3 Methods and materials for containment and cleaning up

on ground: Flush with plenty of water, if possible neutralise with lime.

on water: Inform police and/or fire brigade and appropriate authority

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

Advice on safe handling: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Do not mix with other products in their concentrated form.

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 the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

Storage : Prevent any seepage into the ground

Fire and explosion: No special measures required

Further information: Store in cool, dry conditions in well sealed receptacles

Common storage: Keep away from food, drink and animal feedstuffs.

Storage Temperature: No further information available

7.3 Specific end uses

No information available

8. Exposure control/personal protection

8.1 Control parameters

Aluminium Sulphate	8 hr TWA	2	mg/m ³
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Exposure controls

Engineering measures Engineering controls should be provided which maintain airborne concentrations as low as practicable

Personal protective equipment

Ventilation: No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that dusts are minimised.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Wear 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 (EN166)

Skin and body protection: Acid resistant protective clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems. Avoid subsoil penetration.

Trade Name: Aquasparkle Tablets

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Solid
Colour: White
Odour: Insignificant

pH @ 20°C: N/A
Melting point: 770°C
Boiling point: N/A
Flash point: N/A
Density @ 20°C: 1690
Water solubility: Fully miscible

9.2 Other Information No further information available

10. Stability and reactivity

10.1 Reactivity

Reactivity Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents & cyanides.

10.2 Chemical stability

Chemical stability No decomposition if stored and applied as directed

10.3 Possibility of hazardous reactions

Hazardous reactions Thermal decomposition (>600°C) may liberate SO_x fumes.

10.4 Conditions to avoid

Conditions to avoid No information available

10.5 Incompatible materials

Materials to avoid Galvanised or aluminium surfaces

10.6 Hazardous decomposition products

Haz. Decomp. products: No information available

11. Toxicological Information

11.1 Information on toxicological effects

Toxicity Values

Aluminium Sulphate				
Route	Species	Test	Value	Units
Oral	Rat	LD50	>5,000	mg/kg
Intrapetrioneal	Mouse	LD50	6,207	mg/kg

Primary Irritant effect

On the skin: Causes skin irritation and soreness

On the eye: Causes severe eye irritation.

Carcinogenic There is no evidence that this substance has any carcinogenic properties.

Mutagenic There is no evidence that this substance is mutagenic

Sensitization: No sensitizing effects known

Additional toxicological information:

If ingested The ingestion of significant quantities may cause nausea/vomiting

If inhaled Irritating to mucous membranes and upper respiratory tract.

Trade Name: Aquasparkle Tablets

12. Ecological Information

12.1 Toxicity

Toxicity Expected to be harmful

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumulative potential

Bioaccumulative potential No data available

12.4 Mobility in soil

Mobility in soil

12.5 Results of PBT and PvB assessment

Results of PBT and PvB No data available

12.6 Other adverse effects

On contact with water, aluminium sulphate will hydrolyse to give dilute sulphuric acid and gelatinous aluminium hydroxide.

Discharge to the aquatic environment should be avoided since it may lead to localised adverse effects arising from the products physical properties. The clogging of tentacles, gills and filters of suspension feeders and the modification of the photosynthesis of algae and plankton may result from the presence of suspended particles and turbidity.

The product is an inorganic substance/preparation. During hydrolysis, a precipitate is formed of metal hydroxide in the pH range 5 to 7. Due to this reaction the pH in the water phase decreases, If phosphates are present, metal phosphate complex may form.

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

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packaging Group

Not applicable

14.5 Environmental hazards

Clean up even minor leaks or spills if possible without unnecessary risk

14.6 Special precautions for user

See Section 7

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

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

No further information

16. Other information

Full text of H-statements referred to under sections 2 and 3

H315	Causes skin irritation
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.

• Abbreviations and acronyms:

GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Rev 5

Indicates updated section

