

## 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](mailto: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	Target Organs	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.

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

#### Hazard Symbol/Category of danger Risk phrases

Irritant (Xi) R36/37/38

For the full text of the R phrases 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

(continued on Page 2)

**2. Hazard Identification continued****2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

Precautionary statements:

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P401: Store locked up

Reponse:

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

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**

Chemical Name	CAS No:	EC No:	%	H & R Phr: Amount %
Aluminium Sulphate	10043-01-3	233-135 0	47-57	H315:H314 - 57%

**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 warm.

In case of skin contact: Wash off immediately with plenty of soap &amp; 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 extinguishing media: Will not burn, use media appropriate for surrounding material.

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

Specific Hazards during fire: Thermal decomposition (>600°C) may liberate SO<sub>x</sub> fumes.

### 5.3 Advice for firefighters

Special 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.

## 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 areas and containers: Prevent any seepage into the ground

Protection against fire and explosion: No special measures required

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

Advice on 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	
ppm	mg/m <sup>3</sup>
	2

**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,

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.

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

**10.2 Chemical stability** No decomposition if stored and applied as directed

**10.3 Possibility of hazardous reactions** Thermal decomposition (>600°C) may liberate SO<sub>x</sub> fumes.

**10.4 Conditions to avoid** No information available

**10.5 Incompatible materials** Galvanised or aluminium surfaces

**10.6 Hazardous decomposition 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.

**12. Ecological Information**

**12.1 Toxicity** Expected to be harmful

**12.2 Persistence and degradability** No data available

**12.3 Bioaccumulative potential** No data available

**12.4 Mobility in soil** No data available

**12.5 Results of PBT and PvB assessment** 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**

<b>14.1 UN Number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packaging Group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Clean up even minor leaks or spills if possible without unnecessary risk
<b>14.6 Special precautions for user</b>	See Section 7
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	

**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 R-phrases referred to under sections 2 and 3  
R36/37/38 Irritating to eyes, respiratory system and skin

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

<b>Revision</b>	<b>Date</b>	<b>By</b>	<b>Amendment</b>
1	21/11/2008	Linda Brueford	Sections 2 & 3 Swapped
2	Jun-09	Linda Brueford	Updated to conform with REACH, references to legislation changed
3	15/04/11	Linda Brueford	GHS label elements added and other minor editorial amendments
4	Jan-13	Linda Brueford	Minor editorial amendments