

Printed on: 14/01/2008

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

- **Trade Name:** Aluminium Sulphate
- **Other names** Sparkle Tablets/Flockfix Cartridges
- **Intended use of chemical** Coagulant for water treatment
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.  
Tel: +44 (0) 8712 229081  
Fax: +44 (0) 8712 229083

### 2. Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description** Aluminium Sulphate 10043 - 01 - 3
- **EC Number:** 233 - 135 - 0
- **Wt%:** 47 - 57

### 3. Hazard Identification

- **Hazard description**



Xi: Irritant

- **Hazard information concerning particular hazards for human and the environment**

R36/37/38 Irritating to eyes, respiratory systems and skin.

### 4. First Aid measures

- **After inhalation:** Not normally applicable but as a precaution remove to fresh air and keep patient warm.
- **After skin contact:** Immediately remove contaminated clothing and wash affected area thoroughly with soap and water. Seek medical attention if skin appears damaged
- **After eye contact:** Wash out eye with plenty of water for at least 15 minutes and seek medical attention
- **After Ingestion:** Rinse mouth out thoroughly with water, give plenty of water to drink and obtain medical attention immediately

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| <b>Trade Name:</b> Aluminium Sulphate |
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### 5. Fire fighting measures

- **Special extinguishing media:** Water spray, carbon dioxide
- **Special exposure hazards in fire:** Emits toxic fumes under fire conditions.
- **Special protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- **Thermal decomposition** (>600°C) may liberate SO<sub>x</sub> fumes.

### 6. Accidental release Measures


- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8.
- **Environmental Protection** Do not let product enter drains, contain the material and sweep up.
- **Methods for cleaning:** Damp down slightly then vacuum or shovel up into labelled containers for disposal. Dispose of in accordance with appropriate local regulations.

### 7. Handling and storage

- **Personal Protection** Avoid contact with skin and eyes. Treat as weak acid and use in accordance with good occupational hygiene practices.
- **Storage** Keep product in supplied container when not in use and replace lid after use to prevent absorption of moisture. Store in cool dry conditions

**Trade Name: Aluminium Sulphate**

**8. Exposure control/personal protection**

|  |   |                            |   |
|--|---|----------------------------|---|
| <b>• Exposure control limits and source:</b> |   | <b>8 hr TWA</b>            |  |
|  |   | ppm      mg/m <sup>3</sup> |   |
|  | Aluminium Sulphate  | 2                          |   |
| <b>• Respiratory Protection</b>              | Avoid formation of dusts. Use respiratory protection for general dust inhalation      |                            |   |
| <b>• Hand Protection</b>                     | Wear suitable chemical resistant gloves   |                            |   |
| <b>• Eye Protection</b>                      | Safety goggles or glasses with side shields. Have equipment for eye rinsing available |                            |   |
| <b>• Skin Protection</b>                     | Wear appropriate chemical apron to prevent skin contact                               |                            |   |

**9. Physical and chemical properties**

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>• Appearance at 20oC</b>       | White Solid                     |
| <b>• Odour</b>                    | None                            |
| <b>• Specific gravity at 20oC</b> | 1.69g/cm <sup>3</sup>           |
| <b>• pH (conc)</b>                | 1.9 - 2.4                       |
| <b>• Melting Point</b>            | Decomposes @ 770 <sup>0</sup> C |
| <b>• Solubility in water</b>      | Very soluble in water           |

**10. Stability and reactivity**

|   |  |
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| <b>• Conditions to avoid</b>              | Exposure to moist air or water.  |
| <b>• Materials to avoid</b>               | Strong alkalis, Chlorites, Hypochlorites, Sulphates, Oxidising agents, Cyanides and most metal surface Eg. Galvanised metal, Aluminium, Copper, Zinc and their alloys. |
| <b>• Hazardous decomposition products</b> | Aluminium oxide, sulphur oxides  |

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| <b>Trade Name:</b> | <b>Aluminium Sulphate</b> |
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### 11. Toxicological Information

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| • <b>Inhalation</b> | May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract. |
| • <b>Ingestion</b>  | May be harmful if swallowed.   |
| • <b>Skin</b>       | Causes skin irritation. May be harmful if absorbed through the skin.                               |
| • <b>Eyes</b>       | Causes severe eye irritation.  |
| • <b>Toxicity</b>   | Oral LD50, rat: > 5000 mg/kg<br>Intraperitoneal LD50, mouse: 6207 mg/kg                            |

### 12. Ecological Information

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| • <b>Mobility</b>                       | Soluble in water   |
| • <b>Persistence and degradability:</b> | On contact with water product will hydrolyse to produce Sulphuric Acid and Aluminium Hydroxide. Expected to be harmful to aquatic environment. |

### 13. Disposal Considerations

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| • <b>Substance</b> | Unused material should be considered hazardous waste. Dilute with water, neutralise with lime. Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| • <b>Container</b> | Unused material should be considered hazardous waste. Dilute with water, neutralise with lime. Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |

### 14. Transport Information

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| • <b>Classification</b> | Not regulated |
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### 15. Regulatory information

|                                |   |   |
|--------------------------------|---|---|
| • <b>Product Name</b>          | Kibbled Aluminium Sulphate                                  |   |
| • <b>Symbol</b>                | Xi  |   |
| • <b>Indications of danger</b> | Irritant  |   |
| • <b>Risk phrases</b>          | R36/37/38 Irritating to eyes, respiratory systems and skin. |   |
| • <b>Safety phrases</b>        | S1/2  | Keep locked up and out of reach of children.  |
|                                | S26   | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
|                                | S28   | After contact with skin, wash immediately with plenty of water.                               |
|                                | S37/39  | Wear suitable gloves and eye/face protection.   |
| • <b>EC No</b>                 | 233 - 135 - 0   |   |

### 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.

