

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

- **Trade Name:** Granular Flocc
- **Other Names** Aluminium Sulphate
- **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

Mixture of substance listed below with non hazardous additives.

Ingredient	CAS No	ENICS No	Symbol	Risk
aluminium sulphate	10043-01-3	233-135-0	Xi	R36-38

### 3. Hazard Identification

- **Hazard description**



Xi: Irritant

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

R36/37/38 Irritating to eyes, respiratory system and skin

### 4. First Aid measures

- **After inhalation:** Not normally applicable but as a precaution remove to fresh air and keep warm
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. Seek medical attention if skin appears damaged.
- **After eye contact:** Rinse immediately with plenty of water for at least 15 minutes whilst keeping the eyes wide open. If symptoms persist consult a doctor.
- **After Ingestion:** Drink plenty of water and rinse mouth out. Obtain medical attention immediately.

### 5. Fire fighting measures

- **Special extinguishing media:** Water spray or 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

**Trade Name: Granular Flocculant**

**6. Accidental release Measures**



- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8.
- **Environmental Protection** Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.
- **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

**8. Exposure control/personal protection**

- **Exposure control limits and source:**

		WEL Short term		WEL Long Term	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
10043-01-3	aluminium sulphate			2	
- **Respiratory Protection** In case of brief exposure or low pollution use respiratory filter device. In case of longer or intensive exposure use self contained respiratory protective device.
- **Hand Protection**  Wear suitable chemical resistant gloves (impermeable and resistant to the product). Due to missing tests no recommendation for the glove material can be given.
- **Eye Protection**  Wear tightly sealed safety goggles.
- **Skin protection** Suitable PPE

**9. Physical and chemical properties**

- **Appearance at 20°C** White powder
- **Odour** None
- **Specific gravity at 20°C** 1.69g/cm<sup>3</sup>
- **pH (conc)** 1.9 - 2.4.
- **Melting Point** Decomposes @ 770°C
- **Flash Point** Not applicable
- **Solubility in water** Soluble

<b>Trade Name:</b>	<b>Granular Floc</b>
--------------------	----------------------

### 10. Stability and reactivity

- **Conditions to avoid** Exposure to moisture and wet conditions
- **Materials to avoid** Strong alkalis, Chlorites, Hypochlorites, Sulphates, Oxidising agents, Cyanides and most metal surface eg. Galvanised metal, Aluminium. Copper, Zinc and their alloys. Aluminium oxide, sulphur oxides
- **Hazardous decomposition products** None known

### 11. Toxicological Information

- **Inhalation** May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
- **Ingestion** May be harmful if swallowed
- **Skin** Causes skin irritation. May be harmful if absorbed through the skin
- **Eyes** Causes severe eye irritation
- **Acute Toxicity**

LD50 Oral	>5000mg/kg (rat)
LD50 Intraperitoneal	6207 mg/kg (mouse)

### 12. Ecological Information

- **Mobility** On contact with water product will hydrolyse to produce Sulphuric Acid and Aluminium Hydroxide. Expected to be harmful to aquatic environment

### 13. Disposal Considerations

- **Substance** 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
- **Container** As substance

### 14. Transport Information

- **Not classified**

**Trade Name:** Granular Flocc**15. Regulatory information**

• <b>Product Name</b>	Granular Flocc
• <b>Symbol</b>	Xi            Irritant
• <b>Risk phrases</b>	R36/37/38 Irritating to eyes, respiratory system and skin
• <b>Safety phrases</b>	S1/2        Keep locked up and out of reach of children S26        In case with contact of eyes, rinse immediately with plenty of water and seek medical advice. S28        In case with contact of skin, rinse immediately with plenty of water S37/39    Wear suitable gloves and eye/face protection

**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.

