

Material Safety Data Sheet
According to 91/155 EEC

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

- **Trade Name:** FlocPAC SUPER
- **Other names** Polyaluminium chloride, PAC
- **Intended use of chemical**
- **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** Polyaluminium hydroxide chloride 215-477-2
- **EINECS Number:** 254 - 400 - 7
- **EU Number:**

3. Hazard Identification

- **Hazard description**



Xi: Irritant

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

R36/37/38

Irritating to eyes, skin and respiratory system.

4. First Aid measures

- **After inhalation:** Provide fresh air, warmth and rest, preferably in a comfortable sitting position. Get professional medical attention if any discomfort continues.
- **After skin contact:** Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get professional medical attention if irritation persists after washing or if large areas of the skin is damaged.
- **After eye contact:** Rinse the eye immediately with water. Continue to rinse for at least 15 minutes. Get immediate medical attention.
- **After Ingestion:** Rinse mouth thoroughly and drink 1 - 3 glasses of water to dilute stomach contents . Do not induce vomiting Get medical attention. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

Trade Name: FlocPAC SUPER**5. Fire fighting measures**

- **Special extinguishing media:** Select extinguishing agent appropriate to other materials involved. Keep containers and surroundings cool with water spray.
- **Special exposure hazards in fire:** Thermal decomposition (>600°C) may liberate HCl fumes
- **Hazardous thermal (de)composition products** Attacks most metals, liberating flammable hydrogen gas which may form an explosive mixture with air.
- **Special protective equipment:** Wear full protective clothing and self contained breathing apparatus (SCBA)



6. Accidental release Measures

- **Personal Protection** Ventilate the area to dispel residual vapours. Wear appropriate
- **Methods for cleaning:** Neutralise by careful addition of hydrated lime or soda ash. Drench spillage with water and wash to drain, diluting greatly with water. Advise the authorities if the spillage has entered the water course or sewer or has contaminated soil or vegetation.

7. Handling and storage

- **Personal Protection** Use in a well ventilated areas. Avoid inhaling vapour. Avoid contact with eyes skin and clothing. Emergency shower and eyewash facilities should be readily available.
- **Storage** Storage area should be well ventilated. Store below 40C. Suitable storage materials are:- polythene, PVC, rubber lined tanks. Do not store in stainless steel or metal drums. DO NOT MIX WITH ANY OTHER CHEMICALS

Trade Name: FlocPAC SUPER**8. Exposure control/personal protection**

- | | | |
|--|---|---|
| • Engineering measures to reduce exposure | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location. | |
| • OEL | 2 mg Al/m ³ (8 hour TWA) | |
| • Hand Protection | Wear suitable chemical resistant gloves |  |
| • Eye Protection | Wear appropriate safety goggles | |
| • Skin Protection | Wear rubber apron, PVC or rubber boots. If there is danger of splashing, wear PVC or other impermeable suit. |  |
| • Respiratory Protection | Respiratory protection if there is a risk of exposure to high vapour | |

9. Physical and chemical properties

- | | |
|------------------------------|--------------------------------------|
| • Appearance at 20°C | Light Amber Liquid |
| • Odour | Odourless |
| • Density | 1200 - 1250 (kg/m ³) |
| • pH (conc.) | Approx. 2-3 in concentrated solution |
| • Boiling Point | 100 - 120°C |
| • Melting Point | -12 |
| • Solubility in water | Complete at 20°C |

10. Stability and reactivity

- | | |
|---|---|
| • Conditions to avoid | Temperatures in excess of 40°C |
| • Materials to avoid | Oxidising agents, Alkalis, strong acids, Brass, Zinc, Aluminium |
| • Hazardous decomposition products | Thermal decomposition (>600°C), may liberate HCl fumes |

Trade Name: FlocPAC SUPER**11. Toxicological Information**

- **Skin** Hazardous in case of skin contact (irritant)
- **Eyes** Hazardous in case of eye contact (irritant)

12. Ecological Information

- **Mobility** This product is an inorganic substance/preparation. During hydrolysis, a precipitate is formed of metal hydroxide in the pH in the water phase decreases if phosphates are present, metal phosphate complex may form.

13. Disposal Considerations

- **Substance** Dispose of in accordance with all applicable local and national regulations
- **Container** Dispose of in accordance with all applicable local and national regulations

14. Transport Information

- **U N No** UN3264
- **Proper shipping name** Polyaluminium Chloride
- **Class/division** 8
- **Packing group** III
- **Hazard I D No** 80

Trade Name: FlocPAC SUPER**15. Regulatory information**

• Product Name	Polyaluminium Chloride
• Symbol	Xi (Irritant)
• Risk phrases	R36/38 Irritating to eyes and skin.
• Safety phrases	S1/2 Keep locked up and out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise S28 After contact with skin, wash immediately with plenty of water. S37/S39 Wear suitable gloves made of plastic or rubber and wear 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.