

SAFETY DATA SHEET



Product Name: GRANULAR FLOC AND KIBBLED ALUM

SDS Reference 041

Version No. 1

Revision date

Authorisation date September 8th, 2006

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name GRANULAR FLOC AND KIBBLED ALUM
Synonym (s)
Use(s) Swimming pool water flocculent and clarifier
Company Identification PLASTICA LTD
Perimeter House,
Napier Road, Telephone +44 (0) 1424 857857
St Leonards-on-Sea, East Sussex, TN38 9NY
Emergency Telephone 09062 655005 (24hr)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation ALUMINIUM SULPHATE OCTADECALHYDRATE [Al₂(SO₄)₃.18H₂O]
CAS number 16828-11-8
EINECS number 233-141-3
EC Index number

3. HAZARDS IDENTIFICATION

Physical & Chemical:

Health:

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO HEALTH IF HANDLED IN THE CORRECT MANNER.

Environmental:

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

4. FIRST AID MEASURES

General information

Inhalation Remove casualty to fresh air and provide warmth and rest. If necessary, seek medical advice.
Skin contact No special first aid measures necessary.
Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice.
Ingestion No special first aid measures necessary.
Further information

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NON COMBUSTIBLE
Extinguishing media	To suit local surroundings (e.g. water spray, foam, carbon dioxide, dry chemical powder)
Extinguishing media not to be used	
Special exposure hazards	The thermal decomposition products released should be considered toxic if inhaled. .
Protective equipment	Wear self-contained breathing apparatus.
Further information	

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up mechanically (e.g. sweep or vacuum up) into a suitable container; dispose of as prescribed.
Environmental considerations	Do not allow product to get into wastewater or waterways; if this occurs, inform the relevant water authority at once.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice. Keep the raising and deposition of dust to a minimum.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry..

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls LTEL (8 hour TWA): ppm 2 mg/m ³ WEL, aluminium salts, soluble EH40 STEL (15 min): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Avoid breathing dust and eye and skin contact. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (i.e. EN 166 approved)
Skin protection	Gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Dust mask (if ventilation is insufficient)
Other protection	Protective overall

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Crystalline powder
Colour	White
Odour	Odourless
pH	Of 10 g/l @ 20°C: 3.0-3.6
Boiling pt / range	Not applicable. °C
Melting pt / range	Not determined.
Flash point	°C
Autoflammability	°C
Density	Not determined
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Very soluble in water
Additional information	The product is insoluble in ethanol

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	The product is incompatible with strong bases.
Hazardous reactions	
Hazardous decomposition products	Sulphuric acid on thermal decomposition.
Further information	

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	6207 mg/kg	Data for anhydrous product
Dermal compatibility	Non irritant *		
Mucous membrane compatibility	Non irritant *		
Further information	* However, can hydrolyse to sulphuric acid causing irritation.		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data available
Degradability	No data available			
Further information				

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	The product is not classified for transport.
Marine pollutant	The product should not be marked as a marine pollutant

15. REGULATORY INFORMATION

Classification & labelling	In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1], the product is not classified.
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Risk phrases

Safety phrases

16. OTHER INFORMATION

Further information

Sources of data	Other suppliers' safety data sheets
Date of issue	05-05-2006

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Data sheet prepared by Rising HS&E Services.