



SAFETY DATA SHEET

5163 NEPHELINE SYENITE

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

Trade Name:	Nepheline Syenite
Chemical name	Sodium potassium aluminium silicate
Synonyms	None

2. Composition /information on ingredients

Component	CAS	EINECS	% of composition
Feldspar- group minerals	68476-25-5	2706667	>95

The material is not classified as dangerous to health or the environment in accordance with EC Directives and UK Regulations

3. Hazards Identification

Inhalation	Excessive exposure may cause symptoms of chronic lung disease
Ingestion	The material is of low acute toxicity
Eyes	May cause physical irritation and inflammation
Skin	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation

4. First Aid Measures

Inhalation	Remove patient to fresh air, loosen tight clothing and seek medical attention
Ingestion	Do not induce vomiting, seek medical advice
Eyes	Wash immediately with copious amounts of water
Skin	Wash affected areas with water



5. Fire Fighting Hazards

Extinguishing Media	Suitable for surrounding fire conditions
Special exposure hazard	None
Personal protective equipment	None other than required for surrounding fire conditions

6. Accidental Release Measure

Leaks & Spills	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle
Personal protective equipment	Respiratory protective equipment

7. Handling & Storage

Handling	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material
Storage	Store in dry area

8. Exposure Control/Personal Protection

Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is preferable to personal protection.
Personal protective equipment	Where necessary, suitable personal protection should be used (e g overalls, gloves, mask)

9. Physical & Chemical Properties

Appearance & Odour	White powder, odourless (which may be in aqueous suspension)
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non explosive
Oxidising properties	Non oxidising
Specific gravity	2.6
pH value	9 (suspension in water)
Melting point (°C)	Not available



10. Stability & Reactivity

Chemical stability	The material is stable
Conditions/materials to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerization products	None

11. Toxicological Information

Acute toxicity	LD ₅₀	Oral (rat)	Not known.
	LD ₅₀	Dermal	Not known.
	LC ₅₀	Inhalation	Not known.
Health effects	Prolonged or repeated exposure above Occupational Exposure Limits may cause fibrosis of the lungs		

12. Ecological Information

Ecotoxicity	Not Known
Persistence	The material is chemically stable and will persist in the environment

13. Disposal Considerations

Dispose of in accordance with the current Waste Disposal Regulations (for U K Special Waste regulations 1996). Landfill is the most appropriate method

14. Transport Information

U.N. / S.I. No.:		Not classified
U.N. Class:		Not classified
Packing group:		Not classified
Road:	UK:	Not classified
	ADR:	Not classified
Sea:	IMO:	Not classified
Air:	ICAO:	Not classified



15. Regulatory Information

EC Supply labelling	None required by relevant EU directives and UK regulations	
R-Phrases	None	
S- Phrases	S22	Do not breathe dust.
UK Occupational exposures limits (refer to HSE Guidance note EH40)	Mg/m³ 8 hr TWA	% in product
Dusts total inhalable	10	-
Dusts total respirable	5	-
In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitutes the user's assessment of workplace risk		

16. Other Information

COSHH ACOP	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994
CHIP 96	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
CHIP SDS ACOPS	HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations
HSE EH40	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations