



CLAYMAN

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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/m ³ 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 constitute 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 |