



SAFETY DATA SHEET

5132

SPODUMENE

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

Trade Name:	Feldspar products
Chemical name:	Sodium, potassium and lithium, aluminium silicates.
Synonyms:	None

2. Composition /information on ingredients

Component	CAS	EINECS	% of composition
Complex mixtures of naturally occurring silicates.	12068-40-5	2350986	100%

3. Hazards Identification

Inhalation	Excessive exposure may cause symptoms of chronic lung disease.
Ingestion	The product is of low solubility in body fluids and it is likely to be of low acute toxicity.
Eyes	May cause physical irritation and inflammation.
Skin	May cause irritation and inflammation.

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	The material is not combustible and no threat to the surrounding fire conditions.
Special exposure hazard	None
Personal protective equipment	None other than required for surrounding fire conditions.



6. Accidental Release Measure

Leaks and Spills	Collect dry material by wet sweeping or vacuum with an efficient particular filter.
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 a 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 normally recommended.
Personal protective equipment	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. Physical & Chemical Properties

Appearance and Odour	Odourless powder
Flash Point (°C)	Not applicable
Flammability	-
Explosive properties	Non explosive
Oxidising properties	Non oxidising
Specific gravity	2-4 typically
pH value	8 typically
Melting point (°C)	Starting at approximately 1150°C

10. Stability & Reactivity

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



11. Toxicological Information

Acute toxicology	
Health effects	Prolonged or repeated exposure above occupational exposure limits may cause fibrosis of the lungs.

12. Ecological Information

Ecotoxicity	No specific information available.
Persistence	The material is insoluble in water.

13. Disposal Considerations

Dispose in accordance with current waste Disposal regulations (for UK – Control of Pollution {Special Waste} Regulations 1980). Landfill is the most appropriate method.

14. Transport Information

UN/SI No		Not classified
UN 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	Non hazardous		
R phrases	None		
S phrases	Optional for dusty powders		
	S20/21	When using do not eat, drink or smoke.	
	S38	In case of insufficient ventilation wear suitable respiratory equipment.	
UK Occupational exposure 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

References

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 COSHH regulations.