



SAFETY DATA SHEET

5133

FLINT

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

Trade Name:	Flint
Chemical Name:	
Synonyms:	

2. Composition /information on ingredients

Component	CAS	EINECS	% of composition
Crystalline silica	14808-60-7	-	100%

3. Hazards Identification

Inhalation	Prolonged exposure to dust may cause long term irreversible effects from inhalation of respirable crystalline silica.
Ingestion	Gastrointestinal irritation.
Eyes	Dust will cause transient irritation by abrasion.
Skin	Dust may cause irritation by abrasion.

4. First Aid Measures

Ingestion	Wash out mouth with water
Eyes	Wash immediately with copious amounts of water for at least 10 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
Skin	Wash affected areas thoroughly with soap and water.
Advice to Physicians	Treat symptomatically.

5. Fire Fighting Hazards

Extinguishing media	Not combustible
Special Exposure hazard	Avoid the formation of dust clouds



6. Accidental Release Measure

Leaks and spills	Dry spillage – Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal. Avoid creating a dust. Dampen down with water if possible. Moist spillage – Sweep up into suitable containers for recovery or disposal.
-------------------------	--

7. Handling & Storage

Handling	Do not eat, drink or smoke in area where the material is used. Wash thoroughly after handling the material. Avoid inhaling dust..
Storage	Storage area should be dry and well ventilated.

8. Exposure Control/Personal Protection

Silica Flour	UK EH40 MEL 0.3mg/m ³ 8 hr TWA Silica crystalline dust respirable.
Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
Personal protective equipment	Respiratory protection – Dust respirator if conditions are dusty. Hand protection – PVC gloves Eye protection – Chemical goggles or face shield. Body protection – Normal work wear, overall or apron.

9. Physical & Chemical Properties

Appearance	Powder
Colour	Off-white
Odour	Odourless
Solubility in water (kg/m³)	Insoluble
Density (kg/m³)	2650
Particle size range	0-250 microns

10. Stability & Reactivity

Chemical stability	The material is stable under normal conditions.
---------------------------	---



11. Toxicological Information

Acute toxicology	
Health Effects	Eye – The material is an irritant to the eyes. Skin – The degree of irritation is insufficient to warrant labelling as a skin irritant.

12. Ecological Information

Ecotoxicity	The product is involatile and insoluble and will accumulate in the ground.
Persistence	The product is resistant to biodegradation.

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.

Contaminated containers MUST NOT be treated as household waste.

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	Harmful
R Phrases	Harmful by inhalation. Danger of serious damage to health by prolonged exposure.
S Phrases	Do not breathe dust.

UK Occupational exposures limits (Refer to HSE Guidance note EH40)	Mg/m ³	8 hr TWA	% in product
--	-------------------	----------	--------------

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

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 the COSHH regulations.