

Whiting Powder (TNL 1221)

1. Identification

Whiting Powder, Chalk, Calcium Carbonate

2. Composition/Information on Ingredients

Natural dry ground Calcium Carbonate

3. Hazards Identification

Calcium carbonate is of low acute toxicity. Long term exposure to any mineral dust could cause damage to the respiratory system. Eye contact: Airborne dust may cause irritation to the eyes. Wet calcium carbonate spillage can constitute a slipping hazard.

4. First-Aid Measures

Eye contact	Flush with clean water.
Skin contact	Wash with soap and water.
Inhalation	Remove to fresh air. If symptoms develop seek medical advice.
Ingestion	Rinse mouth out with water.

5. Fire-Fighting Measures

Non flammable—no special precautions necessary.

6. Accidental Release Measures

Collect dry powder using a vacuum cleaner or other means where dust is not generated. Mix slurry with dry, inert, absorbent solid and collect for disposal. Do not discharge slurry to a water course.

7. Handling and Storage

Handling Appropriate controls should be used to avoid generating dust when handling dry powders. No special precautions are indicated when handling slurries.

Storage Powders should be stored in a dry covered area, slurries should be stored in covered containers.

Respiratory Protection Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed.

Skin Protection Substance may have a drying effect on the skin. Maintain good standards of industrial hygiene.

Eye Protection Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance.

9. Physical and Chemical Properties

Physical form	White powder or white suspension
Odour	None
pH	Slurry 8.0-10.0
Boiling point	Slurry 100° C
Explosive properties	None
Oxidising properties	None
Relative Density	Slurry 1.5-2.0 Dry Powder—2.8

10. Stability and Reactivity

The dry powder will produce carbon dioxide on strong heating or by reaction with acid.

11. Toxicological Information

Inhalation of Dust Calcium carbonate has no determined acute toxic effects. Exposures to calcium carbonate dust should be kept to below the occupation exposure standard, at which level no effects on chest health would be expected. Studies have not indicated any significant sensitisation, carcinogenic, mutagenic or teratogenic effects.

Skin Contact No determined toxicological effects.

Ingestion No determined toxicological effects.

12. Ecological Information

Environmental Statement Calcium carbonate is persistent and non-biodegradable but is unlikely to have any long term effects on the environment.

Mobility Solid. Involatile. Insoluble in water.

Degradability Non-biodegradable. Persistent.

Accumulation No bio-accumulation or bio-magnification identified.

Ecotoxicity Calcium carbonate is non toxic to fish, daphnia and aquatic algae, soil organisms and plants/animals. The presence of biocide in slurry products indicates the possibility of ecotoxic effects lthough levels of dilution suggest that these effects will be limited.

13. Disposal Considerations

Calcium carbonate can be disposed of as non toxic/inactive material in approved landfill sites in accordance with local regulati ons.

14. Transport Information

Calcium carbonate is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

Classification Calcium carbonate is not classified as dangerous to supply under EU or UK national regulations.

Occupational Exposure Standards 10 mg/m³ inhalable dust and 4 mg/m³ respirable dust in an 8hr reference period.

Legislative Requirements The following are relevant measures under UK legislation but the user's attention is drawn to the possible existence of additional local provisions.

16. Other Information

Training Workers should be trained to handle products without generating dust or spillages.

Bibliography

- 1) Carriage of Dangerous Goods (Classification, Packaging and Labelling) Regulations
- 2) Chemicals (Hazard Information and Packaging for Supply) Regulations
- 3) Control of Substances Hazardous to Health Regulations
- 4) Dust: General Principles of Protection (EH 44)
- 5) Environmental Hygiene Guidance (EH40)

The information contained in this Safety Data Sheet supersedes all previous such sheets and is based upon the Company's current knowledge at the date of preparation. It is given in good faith, without any warranty, expressed or implied, regarding its correctness or completeness. The conditions or methods of handling, storage, use or disposal of the product are beyond our knowledge. It is the sole responsibility of the user to take all precautions required in handling the product.