

SAFETY DATA SHEET

1. Identification of the substance/preparation and the company

MAGSIL FM 20, MAGSIL 4250, MAGSIL 3049/S2-100, MAGSIL 3050/S2-200,
MAGSIL 3051/S2-300 TALCS

2. Composition/information on ingredients

Magsil FM20/4250/3049/3050/3051 are magnesitic talcs, containing 40 – 45 % magnesite ($MgCO_3$). Pure talc is a Hydrated Magnesium Silicate ($Mg_3SiO_{10}(OH)_2$). The total Quartz (free Crystalline Silica) content is less than 1 % by mass as determined by XRD. No other form of free Crystalline Silica (e.g. Cristobalite or Tridymite) has been detected by XRD. Magsil 3049/3050/3051 may contain a very small concentration of lath shaped particles. These fall within the definition of a fibre i.e. a particle with a length to width ratio greater than 3:1, together with the definition of a fibre i.e. a particle with a length to width ratio greater than 3:1 together with a length greater than 5 microns and a width less than 3 microns. Electron diffraction and electron probe analysis show these lath-like particles to be Antigorite ($Mg_3Si_2O_5(OH)_4$). Experimental work indicates that for a concentration of respirable Talc dust in air equal to $1mg/m^3$, the number of fibres, as defined above, should not exceed about 1 fibre/ml of air.

3. Hazards identification

Talcs are of low acute toxicity, but prolonged exposure to any mineral dust could cause respiratory problems.

4. First-aid measures

First Aid – Eyes	Flush with clean water.
First Aid – Skin	Wash with soap and water. Prolonged contact could cause dryness of skin.
First Aid – Ingestion	Non toxic, non corrosive. No treatment necessary.
First Aid – Inhalation	Remove to fresh air.

If any symptoms develop, seek medical advice.

5. Fire-fighting measures

Material is non flammable.

6. Accidental release measures

General information Avoid creating dust. Collect by vacuum cleaning, or hose away with plenty of water.
Wet talcs on floors can be a slipping hazard.

7. Handling and storage

Handling Use appropriate controls to avoid creating dust.

Storage Store in a dry, covered area.

8. Exposure controls/Personal protection

Ensure occupational exposure standards are maintained.

Respiratory Protection Avoid inhaling dust.

Skin Protection Only required for those with sensitive skins.

Eye Protection Wear safety glasses. Provide eyewash.

Specific Hygiene Methods Maintain good standards of Industrial hygiene.

9. Physical and chemical properties

Form:	powder
Colour:	Off white/grey
Odour:	odourless
pH value:	-
Boiling point	-
Melting point	-
Flammability:	non-flammable
Specific gravity	2.84
Water soluble	Virtually insoluble

10. Stability and reactivity

Will form carbon dioxide on strong heating or by reaction with acids.

11. Toxicological information

Talcs are regarded as non toxic.

12. Ecological information

Persistence and Degradability Non biodegradable.

Bioaccumulation Non assimilated.

Aquatic Toxicity Negligible.

13. Disposal considerations

Talcs can be disposed of as non toxic waste in approved sites in accordance with local regulations.

14. Transport information

Talcs are not classified as dangerous for transport.

15. Regulatory information

Talc/Magnesium Carbonate are listed in EINECS and the CAS registry. The reference numbers are :

	EINECS	CAS
Talc	2388779	14807-96-6
Magnesium Carbonate	2089159	546-93-0

Talc is not classified as hazardous according to the U.K. CHIP regulations.

Talc has an occupational exposure limit of 1 mg/m³ 8 hour TWA respirable dust and 10 mg/m³ 8 hour inhalable dust.

16. Other Information

Training Workers should be trained how to work without creating airborne dust.

Bibliography Occupational Exposure Limits HSE EH40

Chemicals (Hazard Information and Packaging for Supply)(Amendments) Regulations.

The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations.

Occupational Exposure Limits HSE EH32, Control of Exposure to Talc Dust.

This data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.