



M-LS - Safety Data Sheet

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Company details

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Composition

The aggregate consists of a mixture of accelerated carbonation stabilised thermal residues, sand, cement and water.

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Hazard information

Skin	Unlikely to cause harm on brief or occasional contact. Prolonged and repeated contact may cause alkali burns or dermatitis.
Inhalation	Irritant to respiratory tract. Extended periods of exposure to high concentrations of such dusts can be hazardous to health. Any dust created when the aggregate is handled could contain particles of a respirable size that may contain silica.
Ingestion	No harm likely, but with prolonged ingestion can cause corrosion of and damage to gastrointestinal tract.
Eyes	Contact with dust may cause irritation. Mild exposure can cause soreness. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.

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First aid

Skin	Wash affected areas with soap and water.
Inhalation	Remove patient to fresh air; seek medical attention if any discomfort continues.
Ingestion	Drink copious amounts of water. Seek medical attention if large amounts swallowed.
Eyes	Irrigate immediately with copious amounts of water and seek medical attention if discomfort continues.

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Fire fighting measures

This product is not flammable.



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Transport

No special carriage requirement needed - open vehicles to be sheeted to avoid dust nuisance. No vehicle labelling required.

The primary constituents (calcium carbonate and quartz) both carry an IDTF number of 40342 (feed materials of mineral origin requiring minimal cleaning). Regime A applies, which species dry cleaning.

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Physical and chemical properties

Form	Rounded granules
Colour	Grey
Odour	Odourless
Melting Point	> 1000°C
Boiling Point	> 2000°C
Flash-point	Non-flammable
Solubility in water (%)	5-9
pH	11.5 - 12
Additional Information	The aggregate contains a range of metals at low levels which do not pose a risk under normal circumstances. Research into the leachate from the aggregate shows that under normal conditions it does not pose a risk to the environment.

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Ecological information

When used and disposed of as intended, no adverse environmental effects are foreseen. Entry of dust into watercourses should be avoided.

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Stability and reactivity

Materials to avoid	Strong acids
Decomposition	Above 900°C carbon dioxide is generated through the decomposition of calcium carbonate.



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Accidental release measures

Personal Protection	Avoid skin and eye contact with dust. Wear protective clothing (see Section 11).
Environmental	Avoid entering drains sewers and water courses. The release of reasonable amounts of dust into the environment does not constitute a significant hazard.
Cleaning	Recover bulk spillage as quickly as possible. Water spraying to prevent airborne dust where possible. Avoid dry sweeping to prevent airborne dust. Damp down surfaces before sweeping or use suction system or hand shovel.

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Exposure controls and personal protection

Respiratory Protection	Suitable dust masks to HSE approved standard (FFP3) should be worn in enclosed spaces where the handling of dry aggregate is taking place.
Hand Protection	Protective gloves
Eye Protection	Safety glasses
Skin Protection	Protective work clothing/overall

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Disposal information

Aggregate should be disposed of in accordance with local authority current requirements and regulations for construction and demolition waste.

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Regulatory information

Statutory Instruments	Health and Safety at Work, Act 1974 Environmental Protection Act 1990 Control of Substances Hazardous to Health Regulations (COSHH) 2002
Guidance Notes	Occupational Exposure Limits (EH40) Dust, General Principles of Protection (EH44) Control of Respirable Crystalline Silica (EH59)
Reach	No reporting obligations as required by Article 33

Further

The data and advice given above apply when the material is handled as intended. The use of the material for other applications may give rise to risks not mentioned.

The information contained within the Safety Data Sheet does not constitute the users' own assessment of risk as required by other Health and Safety Legislation i.e. COSHH 2002.

If you are an employer, it is your duty to tell your employees and others that may be affected by any hazards described in this sheet and of any precautions that should be taken.



For more information contact O.C.O Technology at

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