

COSHH ASSESSMENT

Product Name(s):	Cement	COSHH Assess. No.:	01
Description of Substance:	Cement	Assessed By:	Leonard Greeff
Workplace Exposure Limits:	Calcium Silicate dust 0.1mg/m ³ Total inhalable dust 10mg/m ³ Respirable dust 4mg/m ³	Date:	September 2024
Task/Activity:	Preparing mortar and concrete	Risk Phrases:	R36 R37 R38
		Safety Phrases:	S24 S25 S26 S36 S37 S39
Suppliers Name & Address:	various	Telephone/ Fax No's:	
		MSDS Attached:	Yes / No

SUBSTANCE PROPERTIES

								
Highly Flammable	Oxidiser	Explosive	Toxic/ Very Toxic	Corrosive	Harmful/ Irritant	Longer Term Health Hazard	Gas Under Pressure	Dangerous to the Environm't
No	No	No	No	Yes	Yes	No	No	Yes

ROUTE OF EXPOSURE

Skin	X	Eyes	X	Inhalation	X
Ingestion	X	Cuts/ Abrasions		Injection	

PERSONS AT RISK

Users of the product	X	Members of Public		Visitors	
Other Workers	X	Young Persons			

PPE REQUIREMENTS

						Other:	Other:
Yes	Yes	Yes	No	Yes	No	Yes / No	Yes / No

ADDITIONAL CONTROL MEASURES

General Precautions	Control Measures
➤ Ensure that the above specified PPE is worn and that all staff are informed of the risks; control measures and precautions required when working with the substance. ➤ Dust Control: Use dust suppression methods, such as water spray or dust collectors, to reduce airborne dust when working with dry cement. ➤ Safe Handling: Ensure proper training for handling cement and related equipment to minimize risks.	➤ Ensure that adequate supervision is provided at all times. ➤ Keep bags closed and sealed to minimise dust ➤ Follow the approach specified in HSE Guidance Note EH44 to control dust exposure

ADDITIONAL CONTROL MEASURES

General Precautions

- **Limit Exposure:** Minimize the time spent in dusty environments and take breaks in clean, well-ventilated areas.

Control Measures

First Aid/Hygiene Arrangements

- Wash skin thoroughly with soap and clean water
- If contact is made with the eye, immediately flood the eye with plenty of clean water for at least 10 minutes and seek immediate medical attention.
- If inhalation or ingestion occurs, seek immediate medical attention.
- Wash out the mouth with clean water where appropriate.

Fire Precautions

- Cement is not flammable, but it can support combustion in certain circumstances. Ensure there are no flammable materials in the vicinity of cement storage or work areas.
- Keep electrical equipment and wiring in good condition to prevent electrical fires.

LEV Requirements

- Ensure that the work area is well ventilated at all times.
- Avoid inhalation of dust generated by the process.

Monitoring Requirements

- Consider additional monitoring if this product is to be used within a confined space.
- Provide additional monitoring where young or inexperienced workers are carrying out the works.
- Regularly monitor air quality in areas where cement is handled to check for excessive dust levels. Use air monitoring equipment as necessary.
- Conduct periodic health assessments for workers exposed to cement dust to ensure their safety.

Transport Arrangements

- No special requirements for small quantities

Storage Requirements

- Store in a dry, well ventilated and secure store.
- Protect from extremes of temperature.
- Store cement bags or bulk cement in a cool, dry place that is well-ventilated and away from incompatible materials, such as acids, bases, and flammable substances.
- Keep cement containers sealed to prevent moisture from entering, which can cause clumping and reduce the effectiveness of the cement.

Spillage Procedures

- Spillages should be cleaned up using a brush and shovel, whilst avoiding excessive dust creation.
- The material should then be placed into a suitable container for disposal.

Disposal Requirements

- Dispose of waste containers etc as normal builders waste via a licensed waste contractor.
- Dispose of unused or waste cement in accordance with local regulations and guidelines. It is often

Spillage Procedures	Disposal Requirements
➤ In case of a cement spill, clean it up promptly to prevent slips and falls. Use appropriate absorbent materials to soak up spilled cement and dispose of them safely. ➤ Avoid sweeping dry cement, as this can create airborne dust. Instead, use a vacuum cleaner or dampen the spilled area before cleaning it up.	considered hazardous waste and should not be discarded with regular trash. ➤ If disposing of cement waste in landfills, follow any specific requirements set by the landfill operators or regulatory authorities.

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