



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING:

Product Name : HARDTOP DM
HS CODE : 38245000
Application : Non-metallic Dry Shake Floor Hardener
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
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2. HAZARDS IDENTIFICATION:

Hazards information : Prolonged exposure may cause irritation to respiratory system and skin sensitization.
Risk Phrase (s) : None allocated
Safety Phrase (s) : None allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
OPC Cement	30-45	65997-15-1
Copper Slag 0.5 - 2.5mm	55-70	7440-50-8
Plasticizer	.05-.1	63148-53-8
Silica Sand	15-25	14808-60-7

4. FIRST AID MEASURES:

Eyes : Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently



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Skin	:	Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.
Inhalation	:	Remove from exposure, rest and keep warm and obtain medical attention urgently.
Ingestion	:	Wash out mouth with water. DO NOT induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	None, not flammable.
Special Exposure Hazards	:	None

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Wear rubber boots in addition to the recommended protective clothing.
Environmental Precautions	:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures	:	Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water.

7. HANDLING AND STORAGE:

Handling	:	Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.
Storage	:	Store in cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Standards	:	0.1 mg/m ³
Engineering Controls	:	Use in well ventilated area. Avoid generating and inhaling dusts.



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Respiratory Protection	:	Class P1 or dust mask.
Glove Type (AS2161)	:	Nitrile rubber or PVC gauntlets
Eye Protection	:	Chemical worker's goggles
Clothing	:	Overalls.
Other	:	Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	:	Powder
Colour	:	Grey
Odour	:	Odourless
pH (working dilution)	:	> 12
Boiling Point/Range (°C)	:	Not applicable
Melting Point/Range (°C)	:	Not applicable
Flash Point (closed) (°C)	:	None
Autoflammability (°C)	:	Not determined
Explosive Properties (%)	:	Not known
Specific Gravity (at 20°C)	:	1.8-2.0
Water Solubility	:	Insoluble

10. STABILITY AND REACTIVITY:

Stability	:	Stable
Conditions to avoid	:	Exposure to air, contamination with water.
Materials to avoid	:	Strong acids.
Hazardous Decomposition Products	:	None



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11. TOXICOLOGICAL INFORMATION:

Health Effects:

On Eyes	:	Irritating and may injure eye tissue if not removed promptly. Abrasive material - may cause damage to eyes.
On skin	:	Irritation. See "chronic" effects.
By Inhalation	:	Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.
By Ingestion	:	May cause irritation of mouth, throat and digestive tract.
Chronic	:	Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

12. ECOLOGICAL INFORMATION:

Environmental / Assessment	:	Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.
Mobility	:	Insoluble in water.
Persistence and Degradability	:	Not readily biodegradable.
Bio accumulative Potential	:	Not expected to be bio accumulative.
Ecotoxicity	:	Not expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with local and national legislation.

Unused Product	:	Dispose of in an approved manner.
Used / Contaminated Product	:	As for unused product.
Packaging	:	The method of disposal must be acceptable to the local authority.

14. TRANSPORT INFORMATION:

This product is NOT classified as dangerous for transport.



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15. REGULATORY INFORMATION:

Risk Phrase (s) : None allocated

Safety Phrase (s) : None allocated

16. OTHER INFORMATION:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from MATEX.

If the product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from MATEX.