

SAFETY DATA SHEET

MATERIALONE™ POWDERS

Material One[™]
A MASTERWORKS™ PRODUCT

MSDS Date 01/ 02/ 2001

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1. Identification of the substance / Preparation and Company

Product Name: Material One Powders

Company Address:

AMT Composites (Head Office)
6 Director Road,
Aeroporto,
Spartan Extension 2 (Kempton Park)
1619 R.S.A.

Telephone: 011 392 4232
Telefax: 011 974 4198

2. Composition / Information on Ingredients

Generic Name - Calcium Sulfate Alpha
Chemical Name - Calcium Sulfate Hemihydrate
Chemical Composition - CaSO₄·0.5H₂O

Ingredients contributing to the hazards

May contain plasticising agents and range of fillers, i.e. aluminium glass spheres, silica, dolomite and granite particles.

3. Hazards identification

May cause skin irritation (mechanical effect).
May cause irritation in case of eye contact.

4. First Aid Measures

Skin Contact: Wash the effected area carefully with soap and clean water.

Eye Contact: Wash eyes immediately with plenty of clean water and seek medical advise if irritation persists.

5. Fire-fighting Measures

Non-flammable product, does not favour other products combustion.

Extinguishing media - Not applicable

6. Accidental Release Measures

On Spillage: By brush and shovel as appropriate
Personal Precautions: Dust mask and glasses
Environmental Precautions: Follow paragraph 13 instructions

7. Storage and Handling

Handling Procedures

Prevention: Avoid repeated skin and eye contact with dry and the hydrated powder. In case of dust release during operation, collect the dust nearest to the emission point.

Precautions: Ensure adequate ventilation (general in the workshop and specific for the mixing facility).

Safe Handling Advise: Not applicable

7. Storage and Handling continued

Storage Conditions

Technical Measures: Good stock rotation

Storage conditions: Store clear of the ground and protect from all moisture condensation and heat.

Packaging materials: Polyethylene lined bags.

8. Exposure Controls / Personal Protection

Personal protective equipment: Not applicable

Exposure limits: Total inhalable dust = 10 mg/m³/8h
Respirable dust = 4mg/m³/8h
(Occupational Exposure Standards)

9. Physical and Chemical Properties

Physical State	Powder
Colour	White
Odour	None
pH (5% in pure water)	8.4
Relative Density	2.75
Melting point	1610°C
Water Solubility (25C-50g/l)	6.5
Flammability	N/A (not flammable)
Explosive properties	N/A (not explosive)

Note: Additions of plasticiser and fillers will effect colour, relative density and water solubility.

10. Stability and Reactivity

Stable product which does not cause any dangerous reactions with other substances.

Hazardous decomposition products:	None
Conditions to avoid:	None
Use measures:	None

Toxicological Information:	
Acute toxicity ingestion	Not toxic
Inhalation	Not toxic
Skin irritation	Irritant
Eye irritation	Irritant

12. Ecological Information

No effects when paragraph 13 measures are followed.

13. Disposal Considerations

Procedures:

Dispose of the product in a rubbish dump on conditions that it is not mixed to organic waste. Do not throw way the product in the sewerage system purely for mechanical reasons.

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14. Transport Information

Not classified as hazardous for transport purposes.

15. Regulatory Information

EEC Regulatory information: None

Packaging disposal according to the local disposal regulations

16. Other Information

This safety data sheet doesn't exempt the user from knowing and abiding by the legislation ruling his activity.

Emergency Telephone numbers:

United Kingdom: +44 1584 856 741

South Africa: +27 11 392 4232

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NOTE 1 :

This product safety data sheet is issued to cover the following materials:

Material One Powders