



4D modelshop Ltd
The arches
120 Leman Street
London E1 8EU

020 7264 1288
info@modelshop.co.uk
www.modelshop.co.uk

HEALTH AND SAFETY DATA SHEET

Product no.2 500 series & 2 600 series
Substance code:

Version 09/98/MW

Status 09/98/MW
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1. Identification of the substance / preparation and company

Product details

Trade Name: Alginate Impression Material

Supplier Details:
4D modelshop Ltd
The arches
120 Leman Street
London E1 8E

Emergency telephone number:
020 7264 1288

2. Composition/information on ingredients

Hazardous Compounds:

	%	Cas No:	S Phase	R Phase
Potassium Fluorotitanate	01.05	16919-27-0	22-26-28	22-20/21
Diatomaceous Earth Filler	60-70	68855-54-9	37/39-44 22	40/20
Non Hazardous Compounds:				
Triethanolamine Alginate				
Calcium Sulphate Dihydrate	10-20	9005-38-3		
Tetrasodium Pyrophosphate	10-20			
Magnesium Oxide	01-05	7722-88-5		
Sodium Alginate	01-05 05-10			

3. Hazardous identifications

Unlikely to cause harmful effects under normal conditions of handling and use.
Practice good hygiene. Wear gloves, overalls.

4. First aid measures

After contact with skin:

Wash immediately with plenty of water

After contact with eyes:

Irrigate thoroughly with water for at least 10 minutes

After ingestion:

Wash out mouth with water. Do not induce vomiting

After inhalation:

Remove from exposure, rest and keep warm.



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5. Fire fighting measures:

Suitable Extinguishing Media

N/A. Product is non-flammable

6. Accidental release measures:

Environmental precautions

Avoid accumulation of dust

Methods for cleaning up / taking up

Sweep or vacuum. Avoid getting material damp as it may cause a slip hazard.

7. Handling and storage

When handling bulk quantities use suitable protective clothing.
Handle in well ventilated area.

Store in a cool dry place. Keep container lid tightly closed.

8. Exposure controls / personal protection

Hygiene measures

Remove soiled or soaked clothing immediately.
Wash hands before breaks and after work.

Respiratory protection: Dust Mask

Hand protection: Gloves should be worn when handling bulk quantities.

Eye protection: Goggles should be worn when handling bulk quantities.

Body protection: Cotton / synthetic overalls should be worn when handling large quantities.

9. Physical and chemical properties

Appearance

Form: Powder
Colour: Orange, Pink, Green, Blue or Yellow.
Odour: Peppermint or Vanilla.

Data relevant to safety

Flash point:

Melting point range: 100EC

Ignition temperature: N/A

Density: 2200-2300 Kg/m³

Explosive limits: N/A

Solubility in water: Negligible

Boiling point / range: N/A

Vapour pressure: N/A



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10. Stability and reactivity

Thermal Decomposition:

Stable

Conditions to avoid:

Avoid aqueous conditions as material gels when wet.

11. Toxicological information

Possible temporary irritation of the eyes and respiratory mucosa.

Possible risk of irreversible effects by repeated inhalation of dust at high concentrations (Silicosis).

12. Ecological information

There is no ecological data available for this product.

13. Disposal considerations

Dispose of material according to local regulations.

14. Transportation information

UN No:

IMO:

IATA:

IMDG class:

Packaging group:

Correct technical name:

ADR/RID:

Not regulated for transport.

15. Regulatory information

Hazard symbols:

R phases:

S phases:

R 40/20:

S22: Do not breathe the dust

16. Other information

This information is given in good faith, being based on the latest knowledge available to 4D modelshop Ltd. No known relevant information has been omitted from the product information, risk information and safety Precautions sheets. The user should not assume therefore, the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, please contact 4D modelshop Ltd prior to use for further advice.