



MATERIAL SAFETY DATA SHEET [MSDS]

According to 93/112/EC

Page: 1
Issued: 28/04/1998

WHITEHOUSE SCIENTIFIC BASALT MICROSPHERES

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Whitehouse Basalt Microspheres – All grades
Supplier: Whitehouse Scientific Ltd
Whitchurch Road, Waverton, Chester, CH3 7PB, England
Tel: +44 (0) 1244 332626
Fax: +44 (0) 1244 335098
email: info@whitehousescientific.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical composition:

SiO ₂	43%
Al ₂ O ₃	14%
CaO	13%
Fe ₂ O ₃	14%
MgO	8.5%
Na ₂ O/K ₂ O	3.5%
Others	4%

Cas-Number: 000-000-00-0
Index-nr.:
EINECS-Number:

3. POTENTIAL HEALTH HAZARDS

Main Hazards: Eyes and throat can become irritated when exposed to too high concentrations. There are no significant health, physical or environmental hazards.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: No Symptoms.
Inhalation: Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTIONS)

Inhalation: Remove to fresh air.
Skin: Wash with water and soap.
Eye: Wash with plenty of water. If irritation persists, consult physician.
Ingestion: No danger known.
Advice to physician: No specific advice. Treat according to symptoms present.



MATERIAL SAFETY DATA SHEET [MSDS]

According to 93/112/EC

Page: 2

WHITEHOUSE SCIENTIFIC BASALT MICROSPHERES

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Personal protective equipment recommended.

Clean-Up Procedure: Sweep up with a minimum of dusting. Collect in container, e.g. fibreboard drum or carton..

7. HANDLING AND STORAGE

Handling: Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.

Storage recommendations: Keep bags and containers well closed. Store cool.

Storage Class: 10-13

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use adequate ventilation if dusty conditions prevail when handling, general ventilation is adequate.

Exposure Guidelines, Dust: 5 mg/m³ max. (no free SiO₂, all components are amorphous/non-crystalline).

Respiratory Protection: Use a NIOSH approved dust respirator with powdered grades if dusty conditions prevail.

Skin protection: Protective garments.

Eye Protection: Goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical State: Solid.

Colour: Black.

Odour: None.

Safety relevant data:

Softening point: > 900°C

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Specific gravity: ca. 2.9 g/cm³ (20°C)

Solubility in water: Not applicable

MATERIAL SAFETY DATA SHEET [MSDS]

According to 93/112/EC

Page: 2

WHITEHOUSE SCIENTIFIC BASALT MICROSPHERES

10. STABILITY AND REACTIVITY

Stability: Not applicable.

11. TOXICOLOGICAL INFORMATION

Immediate (acute) effects: Not applicable.

Delayed (subchronic & chronic) Effect: Not applicable

Other data: Dust in concentration above the max. recommended concentrations might cause irritation of eyes and throat..

12. ECOLOGICAL INFORMATION

Not applicable

13. DISPOSAL CONSIDERATIONS

Discard as non-hazardous inorganic solid waste.

14. TRANSPORTATION INFORMATION

LAND TRANSPORT

ADR	Not regulated
GGVS	Not regulated
RID	Not regulated
GGVE	Not regulated

Identification of the product:

Danger number: UN nr:

RIVER/CANAL-TRANSPORT

ADNR Not regulated

SEA-TRANSPORT

UN No: -

AIR-TRANSPORT

ICAO/IATA-DGR Not regulated

OTHER INFORMATION

May be sent by mail.

MATERIAL SAFETY DATA SHEET [MSDS]

According to 93/112/EC

Page: 2

WHITEHOUSE SCIENTIFIC BASALT MICROSPHERES

15. REGULATORY INFORMATION

Danger Symbols: Not applicable.

National regulations: Not applicable.

16. OTHER INFORMATION

Other Information: The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which result directly or indirectly from the use of such information.