

SAFETY DATA SHEET



ENVIROGRAF®

HS006-08-2019

Product Number: 6

Fire Mortar

Description:

The Envirograf Fire Mortar is an asbestos free dry mix to which water is added and mixed like a plaster.

This product comprises of the following materials and therefore is supported by the following Health & Safety Data Sheets:

- (Appendix 5) FM Fire Mortar

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

HEALTH & SAFETY INFORMATION SHEET

APPENDIX 5 FM Fire Mortar

Issue 2 June 2015

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Fire Mortar
MANUFACTURER/SUPPLIER: Envirograf
ADDRESS: Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL: 01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER: 01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

Classification: Preparation not classified in accordance with European directive 1999/45/CE

Symbol/indication of danger: None

R Phrases: None

General hazards not resulting in classification: Should dust be generated within a confined space, it is regarded as nuisance dust without any known specific effects to health.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | Content | CAS No / EINECS No / Index No | Symbol | R Phrases |
|-------------------------------------|---------------|-------------------------------|--------|-----------|
| Calcium Aluminate Cement Clinker | > 99.5% (w/w) | 65997-16-2 / 266-045-5 / | None | None |

Further information: Does not contain any detectable quantities of free lime or free crystalline silica (such as quartz, tridymite or cristobalite)

4. FIRST AID MEASURES

Inhalation: Make the person breathe in fresh air. If symptoms persist, consult a doctor

Contact with the skin: Remove soiled clothes and wash the skin with soap and water.

Contact with the eyes: Rinse abundantly with water. If symptoms persist, consult a doctor

Ingestion: Should it be the case, rinse out mouth with water and drink abundant quantities of water.

5. FIRE-FIGHTING MEASURES

The product is not flammable and will not support flame. It does not promote combustion with other materials.

6. ACCIDENTAL RELEASE MEASURES

Individual precautions: See sections 7 and 8. It is preferable for a dust mask to be worn.

Environmental precautions: Prevent entry to sewers / surface or ground water.

Clean-up methods: For large amounts, preferably use dry methods, while avoiding dust exposure. Do not empty materials into drains, sewers or water courses as the fines harden in contact with water.

7. HANDLING AND STORAGE

Storage: Store the product in a dry place, preferably protected by a plastic cover, or in a silo.

Handling: A ventilation system is recommended to be used during handling of the product (unloading, mixing, transport, packing in sacks etc.) in order to evacuate dust.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: Particles not otherwise classified (ACGIH):

Inhalable : TLV (TWA) – 10 mg/m³

Respirable : TLV (TWA) – 3 mg/m³

Personal protection

Hand protection: Protective clothing is recommended, including waterproof gloves, and boots.

Eye protection: Dust proof goggles should be worn whenever there is a risk of fines or wet mixture entering the eyes.

Respiratory protection: Suitable respiratory protection should be worn when the conditions are such that the personal exposure is estimated to approach or exceed the stated limits

Ingestion: When manipulating do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Fine powder

Colour: Grey / Brown

Odour: None

pH Value: 11-11.5 (10% water dispersion)

Melting point: 1300°C

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Explosive characteristics: Not applicable

Specific gravity (kg / m³): 3200 - 3300

Solubility (in water): < 2% soluble compound (solubility of non hydrated calcium aluminate is around 3.5g/l)

Bulk density (kg / m³): 1100 - 1300

10. STABILITY AND REACTIVITY

Stability: In a dry environment, the product is chemically stable. In the presence of water, calcium aluminates react chemically and harden to form stable calcium aluminate hydrates. This reaction is exothermic and may last up to 24 hours. The total heat released is < 500kJ / kg.

Dangerous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: No data available

Inhalation: No data available

Contact with the eyes: Non-irritant

Contact with the skin: Non irritant

Sensitization / chronic toxicity: The product has been checked in accordance with standard NF EN 196-10 with respect to compliance with the provisions of directive 2003/53/CE and it does not contain any soluble chrome VI reducing agent

12. ECOLOGICAL INFORMATION

Possible effect on the environment: In the presence of water or moisture, alkaline conditions are obtained which may have local effects on vegetation and aquatic life

Eco-toxicity: No data available

Mobility, endurance and degradability: After hydration (a few hours or days in moist conditions) the product is stable in soil and in water, with a negligible mobility of its constituents.

Bio-accumulation potential: No data available

13. DISPOSAL CONSIDERATIONS

The product is not industrial waste which requires specific treatment

14. TRANSPORT INFORMATION

Transport regulations

ADR (road): Not regulated

RID (rail): Not regulated

IMDG (sea): Not regulated

OACI/IATA (air): Not regulated

15. REGULATORY INFORMATION

Data on label in accordance with directive 1999/45/CE: Classification - None
Symbol/indication of danger – None
R Phrases – None
S Phrases – None

Data on label in accordance with European directive 2003/53/CE: None

16. OTHER INFORMATION

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the most recent REACH Regulations. The product should not be used for purposes other than those shown without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current EU legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
