



## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY.

1.1 CHEMICAL PRODUCT. ASTROflame Fire Resistant Mortar (**ASTRO-F M COMPOUND**).

1.2 APPLICATION. Fire barrier for wall and floor openings with or without services and in compliance with the latest recommendations ASTROflame Mortar Installation Manual.

1.3 COMPANY IDENTIFICATION. **ASTROflame (Fire Seals) Ltd.**

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

2.1 CHEMICAL DESCRIPTION.

Controlled blend of accelerated calcium sulphate, calcium hydroxide, expanded perlite aggregate and limestone flour with organic additives. MEL/OEL

Calcium hydroxide: Less than 2% wt 5mg/m<sup>3</sup>

2.2 HAZARDOUS INGREDIENTS.

Not applicable.

## 3. HAZARD IDENTIFICATION.

ASTROflame Mortar has no hazard classification according to 88/379/EEC. Addition of water to all similar products that contains lime release alkalis which may cause irritation to the skin and eyes

Respirable dust from any fine powders could, if inhaled over a prolonged period, constitute a health hazard. The current Occupational Exposure Standards for the above dust should not be exceeded.  
Ingress into waterways may cause discolouration. BOD may be harmful to aquatic organisms.

## 4. FIRST AID MEASURES.

#### 4.1 EYE CONTACT.

Wash out with plenty of clean water or sterile eye solution.

#### 4.2 SKIN CONTACT.

No acute symptoms. Wash off with soap and water. If eye or skin irritation persists seek medical advice.

#### 4.3 INGESTION.

Symptoms: Nausea. Give water to drink. Seek medical advice.

#### 4.4 INHALATION.

Symptoms: Choking, coughing, dizziness. Remove to fresh air. Seek medical advice.

### 5. FIRE FIGHTING MEASURES.

#### 5.1 EXTINGUISHING MEDIA.

Is not flammable therefore not applicable.

#### 5.2 FIRE AND EXPLOSION HAZARDS.

Not applicable.

#### 5.3. PROTECTION MEASURES.

Not applicable.

### 6. ACCIDENTAL RELEASE MEASURES.

#### 6.1 PERSONAL PRECAUTIONS.

Prevent ingress into drains and waterways, as this can cause permanent blockage. Spillage should be contained.

#### 6.2 ENVIRONMENTAL PRECAUTIONS.

Not applicable.

#### 6.3 CLEANING UP

Not applicable.

### 7. STORAGE AND HANDLING

#### 7.1 STORAGE.

Ideally between 5 and 25°C and indoors above ground in dry well ventilated conditions are recommended.

#### 7.2 RECOMMENDED SHELF LIFE.

Six months is a normal accepted limit.

#### 7.3 HANDLING.

ASTROflame Mortar should be handled in such a way as to minimise the creation of air borne material.

Wear approved anti-dust goggles and a dust mask particularly during mixing.  
For general handling of wet or dry mortar suitable protective clothing and gloves are recommended.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

### 8.1 OCCUPATIONAL EXPOSURE LIMITS.

Not applicable.

### 8.2 ENGINEERING MEASURES.

Not applicable.

### 8.3 PERSONAL PROTECTIVE EQUIPMENT.

Overalls, Gloves (PVC), Goggles (to BS2092) and Respiratory Devices (to BS2091).

## 9. PHYSICAL / CHEMICAL PROPERTIES.

9.1 APPEARANCE. Off white free flowing powder.

9.2 ODOUR. N/A

9.3 PH. Alkaline.

9.4 VISCOSITY. N/A

9.5 FREEZING POINT. N/A

9.6 FREEZE THAW RECOVERY. N/A

9.7 BOILING POINT. N/A

9.8 MELTING POINT. N/A

9.9 FLASH POINT. N/A

9.10 AUTO-FLAMMABILITY. N/A

9.11 EXPLOSIVE PROPERTIES Non-combustible to BS 476 Part 4

9.12 VAPOUR PRESSURE. N/A

9.13 VAPOUR DENSITY. N/A

9.14 RELATIVE DENSITY. 1000-1100kg/m<sup>3</sup> (set + air dried).

9.15 SOLUBILITY. Fully miscible

9.16 PARTITION COEFFICIENT. N/A

## 10. STABILITY AND REACTIVITY.

### 10.1 STABILITY.

Not Applicable.

### 10.2 CONDITIONS TO AVOID.

Not Applicable.

### 10.3 MATERIALS TO AVOID.

Not Applicable.

### 10.4 RECOMMENDED MATERIALS FOR EQUIPMENT.

Not Applicable.

### 10.5 HAZARDOUS DECOMPOSITION PRODUCTS.

Not Applicable.

## 11. TOXICOLOGICAL INFORMATION.

### 11.1 SHORT TERM EFFECTS.

EYE CONTACT. Not Applicable.

SKIN CONTACT. Not Applicable.

INGESTION. Not Applicable.

INHALATION. Not Applicable.

11.2 CHRONIC EFFECTS Not Applicable.

## 12. ECOLOGICAL INFORMATION.

**ASTRO<sup>flame</sup>** Mortar is miscible with water and likely to be transported as milky dispersion to considerable distance if allowed to ingress into water. Also, the product will set hard to cause permanent blockage.

The mortar in powder or set form is not biodegradable and in water becomes alkaline. Biological oxygen demand for other components may be harmful to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS.

Dry or wet mortar is not classified as hazardous waste. Any waste from dry powder, wet mix or set

mortar can be separated from any other waste for landfill or incinerating.

Observe Local and National Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION.

14.1 PACKAGING. ASTRO<sup>flame</sup> Mortar is not classified as hazardous for transport.

### 14.2 FREIGHT CLASSIFICATION.

Not Applicable.

## 15. REGULATORY INFORMATION.

15.1 C.P.L CLASSIFICATION. Not Applicable.

HAZARD PICTOGRAM. Not Applicable.

RISK PHRASES. Not Applicable.

SAFETY PHRASES. Not Applicable.

## 16. OTHER INFORMATION.

The information in this publication is accurate to the best of the knowledge of **ASTROflame (FireSeals) Ltd.**

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