



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

### 1.1 CHEMICAL PRODUCT. ASTROflame Fire Seal Board. (**ASTRO-BATT**)

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

### 1.3 COMPANY IDENTIFICATION.

Astroflame (Fire Seals) Ltd.  
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### 1.4 EMERGENCY TELEPHONE NUMBER. 0800 023 2482

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

### 2.1 CHEMICAL DESCRIPTION.

Mineral fibre insulation slab coated with ASTROflame Fibre Free Mastic on two surfaces.  
Refer RPD-20 for details on ASTROflame Fibre Free Mastic.  
Loose mineral fibre 5mg/m<sup>3</sup>

### 2.2 HAZARDOUS INGREDIENTS.

Not applicable

## 3. HAZARD IDENTIFICATION.

ASTROflame Fire Seal Board has no hazard classification according to 88/379/EEC.  
Handling of mineral fibre board may cause irritation to the skin, eyes and respiratory tract.  
Refer to No.11 for further information.

Respirable mineral fibre dust could if inhaled cause possible risk of irreversible effects. The current Occupational Exposure Standards for the above dust should not be exceeded. Ingress into waterways may cause total blockage. BOD may be harmful to aquatic organisms.

## 4. FIRST AID MEASURES.

### 4.1 EYE CONTACT.

Symptoms: Smarting. Was out with plenty of clean water or sterile eye wash 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. 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.

No fire or explosive hazard. No restriction on fire fighting media.

### 5.2 FIRE AND EXPLOSION HAZARDS.

Not applicable.

### 5.3. PROTECTION MEASURES.

Not applicable.

## 6. ACCIDENTAL RELEASE MEASURES.

6.1 PERSONAL PRECAUTIONS. Not applicable.

### 6.2 ENVIRONMENTAL PRECAUTIONS.

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

### 6.3 CLEANING UP

Not applicable.

## 7. STORAGE AND HANDLING

### 7.1 STORAGE.

Ideally indoors above ground in dry conditions are recommended.

### 7.2 RECOMMENDED SHELF LIFE.

One year is a normal accepted limit.

### 7.3 HANDLING.

ASTROflame Fire Seal Board 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, suitable protective clothing and gloves.

## 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 - and use barrier cream), Goggles (to BS2092 - do not wear contact lenses) and Respiratory Devices (to BS016).

## 9. PHYSICAL / CHEMICAL PROPERTIES.

9.1 APPEARANCE. 1200mm x 600mm x 60mm board.

9.2 ODOUR. N/A

9.3 PH. N/A

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. 4 hours fire barrier to BS476 Part 20.

9.11 EXPLOSIVE PROPERTIES N/A

9.12 VAPOUR PRESSURE. N/A

9.13 VAPOUR DENSITY. N/A

9.14 RELATIVE DENSITY. N/A

9.15 SOLUBILITY. N/A

9.16 PARTITION COEFFICIENT. N/A

9.17 DENSITY OF BOARD ALONE 160 kg/m<sup>3</sup>.

9.18 DENSITY OR BOARD & MASTIC 240 kg/m<sup>3</sup>.

## 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.

Has no hazardous decomposition products, at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION.

### 11.1 SHORT TERM EFFECTS.

There are no known health effects from exposure to man made mineral fibre products in modern conditions of manufacture and installation. Manufacturing methods incorporate the use of a binder which is cured during the process and inhibits the migration of fibres, some fibres migration may be expected during handling, but release of fibres after installation is known to be negligible.

On the basis of the evidence of exposure over 30 years the International Agency for Research into Cancer has classified man-made fibre as "possibly carcinogenic", this is a classification applied to substance whose carcinogenic effects in humans are non-proven. Mineral fibres are classified in this category along with many others, saccharin, carbon tetrachloride, hardwood fibres and carbon black extracts.

In light of the current evidence it is prudent to minimise exposure to dust wherever possible using the recommendations given in this document.

EYE CONTACT. Not Applicable.

SKIN CONTACT. Not Applicable.

INGESTION. Not Applicable.

INHALATION. Not Applicable.

11.2 CHRONIC EFFECTS Not Applicable.

## 12. ECOLOGICAL INFORMATION.

ASTROflame Fire Seal Board if allowed to ingress with water may cause permanent blockage. This product is biodegradable, and therefore may effect the biological oxygen demand for other aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS.

Any waste or contaminated waste is considered non-hazardous at normal temperature and therefore can be incinerated in a suitable facility provided local regulations are observed. Otherwise it can be disposed in an approved landfill site. Observe Local and National Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION.

### 14.1 PACKAGING.

*Astroflame* Fire Seal Board 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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