

# Material Safety Data - ASTRO-FLEXI-BATT

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

### 1.1 CHEMICAL PRODUCT.

ASTROflame Fire Seal Board. (ASTRO-FLEXI-BATT)

### 1.2 APPLICATION.

Mineral wool fibre board, coated or uncoated, used to prevent the passage of fire between compartmental walls and floors.

### 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.

The fire board consists of a mineral fibre slab coated with Flexi-Coat sealant. Refer to separate [Flexi-Coat MSDS](#) (PDF) for details of sealant.

### 2.2 HAZARDOUS INGREDIENTS.

Mineral wool fibres 96 -99%  
CAS No or other code: 650-016-00-2  
[Xi] R38

## 3. HAZARD IDENTIFICATION.

Mineral wool is classified as irritating to skin. The irritation is mechanical and temporary.

High dust levels from cut product may irritate the eyes and the upper respiratory tract.

The resin binder poses no known hazard in its cured state.

#### 4. FIRST AID MEASURES.

##### 4.1 EYE CONTACT.

Symptoms: Irritation and redness.

Bathe the eye with running water for 15 minutes. Seek medical attention.

##### 4.2 SKIN CONTACT.

Symptoms: Irritation at the site of contact.

Wash immediately with soap and water. If irritation persists consult medical advice.

##### 4.3 INGESTION.

Symptoms: Irritation to the throat.

Wash out mouth with water, do not induce vomiting. Seek medical advice

##### 4.4 INHALATION.

Symptoms: There may be irritation of the throat with a feeling of tightness in the chest.

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.

Breathing apparatus is required

#### 6. ACCIDENTAL RELEASE MEASURES.

6.1 PERSONAL PRECAUTIONS. Not applicable.

##### 6.2 ENVIRONMENTAL PRECAUTIONS.

No special precautions required.

##### 6.3 CLEANING UP

Transfer to suitable container. Granules or dust should be damped down prior to removal with

water. Refer to Environmental Section of MSDS for suitable method of disposal.

## 7. STORAGE AND HANDLING

### 7.1 STORAGE.

Store in a cool, dry, well ventilated area, off the ground

### 7.2 RECOMMENDED SHELF LIFE.

Shelf Life 18 months

### 7.3 HANDLING.

Wear suitable protective clothing. Minimise dust creation and ensure adequate ventilation.

Avoid inhalation of dust or wool fibres use local exhaust ventilation if possible.

Avoid contact with eyes or skin.

Cut the product using sharp hand tool, avoid power tools.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

### 8.1 OCCUPATIONAL EXPOSURE LIMITS.

LTEL: 2 fibre/ml, 5mg/m<sup>3</sup> LTEL (8 HOUR TWA reference period)

### 8.2 ENGINEERING MEASURES.

Ensure adequate ventilation for airborne dust particles.

### 8.3 PERSONAL PROTECTIVE EQUIPMENT.

Use of disposable face mask is recommended. Protective gloves. Safety glasses with side shields. Protective clothing to cover exposed skin.

## 9. PHYSICAL / CHEMICAL PROPERTIES.

9.1 APPEARANCE. 1000mm x 600mm x 50mm board. Green / Yellow blocks with/without white coating.

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. 2 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. 240kg/m<sup>3</sup> with coating; 160kg/m<sup>3</sup> without.

9.15 SOLUBILITY. Insoluble in Water

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. During thermal decomposition at temperatures above 200°C binder components and decomposition gases are emitted from the coating and board.

## 11. TOXICOLOGICAL INFORMATION.

### 11.1 SHORT TERM EFFECTS.

Irritating to eyes, skin and respiratory tract. Effects are short lived and have no acute toxicity.

Not classified as a carcinogen under the EU Dangerous Substances Directive 67/548/EEC and Directive 97/69/EC.

No link between exposure to mineral wool fibres and lung disease in production or user

industries.

IARC Group 3 (not classifiable)

11.2 CHRONIC EFFECTS Not Applicable.

## 12. ECOLOGICAL INFORMATION.

Not readily biodegradable.

Slightly toxic to aquatic life. Do not allow to reach ground water, water bodies or sewage system.

## 13. DISPOSAL CONSIDERATIONS.

Dispose of in accordance with local authority requirements. Do not discharge into drains or water ways. Dispose of as normal industrial waste according to local or national legislation.

## 14. TRANSPORT INFORMATION.

### 14.1 PACKAGING.

No regulations apply for the transport of this material. Not classified as hazardous for road, rail, sea or air transport.

### 14.2 FREIGHT CLASSIFICATION.

Shipping Name: "NOT SUBJECT TO ADR"

## 15. REGULATORY INFORMATION.

### 15.1 C.P.L CLASSIFICATION.

HAZARD PICTOGRAM. Uncoated board is irritating to skin (R38), wear suitable protective clothing, and wear suitable gloves when handling or cutting.

RISK PHRASES. R38: Skin irritant

SAFETY PHRASES. Skin irritant

## 16. OTHER INFORMATION.

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

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