

# Safety Data Sheet

## Astro HS FM Compound

Revision 5 - 8th February 2019



### ASTRO HS-FM COMPOUND

Product code - 20kg TCB135

CF613  
Astro HS-FM compound

**Always follow manufacturers installation instructions.**

#### APPLICATION

This is a premixed dry blend which is non combustible and designed to provide load bearing fire barrier seals through openings in floors and walls. An installation manual detailing full application and finishing instructions are available on request.

**MIXING INSTRUCTIONS - Warning, care must be taken when lifting.**

When shuttering is installed use trowelable grade, approx 3 parts powder to 1 part water to seal small voids around penetrations. Finish the seal with pourable grade using approx 2 parts powder to 1 part water to the required thickness, depending on the fire rating required. Based on the recommendations add the required amount of powder to water and mix to a smooth consistency using a power stirrer. Working time is 45-60 minutes and can be extended by remixing up to 2 hours.

#### STORAGE

Store off the ground in dry conditions and use within 6 months of the manufacture date as printed on the bag.

#### HEALTH AND SAFETY

Like all similar products that contain lime, this material releases alkali when wet which causes skin irritation or burns, wear suitable protective clothing, gloves and eye protection. Wash off any material in direct contact with skin and replace saturated clothing. If material enters eyes, immediately rinse thoroughly with clean water.

Produced :- 02-01-18

Batch No - MO/83358

Astroflame [ Fireseals ] Ltd  
Unit 8 The IO Centre, Stephenson Road  
Segensworth, Hampshire,  
PO15 5RU

14  
1121-CPR-JA5013

ETA-14/0047

ETAG 026 - part 1

ETAG 026 - part 2

ASTRO HS-FM COMPOUND

SEE RELEVANT CHARACTERISTICS

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ETA - 14-0047  
CE-1121-CPR-JA5013

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** Astro HS FM Compound  
**Product code:** AFFCHS

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Synthetic Mortar

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Astroflame (Fire Seals) Ltd.  
Intumescent House  
Unit 8  
The Io Centre  
Stephenson Road  
Segensworth  
Fareham  
England  
PO15 5RU  
**Tel:** 01329 844 500  
**Fax:** 01329 844 600  
**Email:** sales@astroflame.com

### 1.4. Emergency telephone number

**Emergency tel:** 01329 844 500 (office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319  
**Most important adverse effects:** Causes serious eye irritation.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H319: Causes serious eye irritation

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

**Pracautionary statements:** P264: Wash contaminated skin thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P402+P404: Store in a dry place. Store in a closed container.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

CALCIUM CARBONATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	1317-65-3	Substance with a Community workplace exposure limit.	-	30-50%

CALCIUM HYDROXIDE - REACH registered number(s): 01-2119475151-45-0000

-	1305-62-0	-	Eye Dam. 1: H318; STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. Remove any contact lenses and open eyelids widely. If irritation persists seek medical attention and bring along these instructions.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible. Transfer to an Hospital together along with these instructions.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. Transfer to hospital as soon as possible.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

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

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-Fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** The product is not flammable Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

### 5.3. Advice for fire - fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and materials for containment and cleaning up

**Clean-up procedures:** Avoid generation and spreading of dust Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Smoking, eating and drinking should be prohibited in the application area. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Control parameters/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**  
**CALCIUM CARBONATE**

**Workplace exposure limits:** **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	10mg/m3	-	4 mg/m3	-

### 8.1. Control parameters (continued)

#### CALCIUM HYDROXIDE

##### Workplace exposure limits: Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	1 mg/m <sup>3</sup>	-	4 mg/m <sup>3</sup>	-

##### DNEL/PNEC Values

**DNEL / PNEC:** No data available.

### 8.2. Exposure controls

<b>Engineering measures:</b>	Ensure there is sufficient ventilation of the area.
<b>Respiratory protection:</b>	Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.
<b>Hand protection:</b>	Protective gloves.
<b>Eye protection:</b>	Tightly fitting safety goggles. Ensure eye bath is to hand. Personal protective equipment for eye and face protection should comply with European Standard EN166.
<b>Skin protection:</b>	Protective clothing.

## 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>State:</b>	Powder
<b>Colour:</b>	Grey
<b>Odour:</b>	Odourless
<b>Relative density:</b>	>1
<b>pH:</b>	12 - 13

### 9.2. Other information

**Other information:** Bulk Density=1.6kg/l

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical Stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

### 10.6. Hazardous Decomposition Products

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

<b>Skin contact:</b>	There may be irritation and redness at the site of contact.
<b>Eye contact:</b>	Corneal burns may occur. May cause permanent damage.
<b>Ingestion:</b>	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.
<b>Other information:</b>	May be harmful if swallowed and enters airways Target Organs: respiratory system, lungs.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and Degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

- Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.
- NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

- Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical safety assessment

- Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

- Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
- Phrases used in s.2 and s.3:** H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.
- Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.