



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

1.1 CHEMICAL PRODUCT. ASTROflame Intumescent Pillow. (**ASTRO-PILLOW**)

1.2 APPLICATION. A temporary or permanent fire barrier to seal cable trays and ducts that penetrate fire rated structures.

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.

Intercalated graphite treated mineral fibre in air tight treated cotton bag.

2.2 HAZARDOUS INGREDIENTS.

Not applicable.

3. HAZARD IDENTIFICATION.

Not applicable.

4. FIRST AID MEASURES.

4.1 EYE CONTACT. Flush immediately with large amounts of water. Seek medical attention if irritation persists.

4.2 SKIN CONTACT. Rinse area of contact thoroughly with cold water. Do not rub or scratch exposed skin. Use a skin cream or lotion after washing. Seek medical attention if irritation persists.

4.3 INGESTION. Seek immediate medical attention.

4.4 INHALATION Remove affected person from source of exposure. Seek medical attention.

5. FIRE FIGHTING MEASURES.

5.1 EXTINGUISHING MEDIA.

Use extinguishing agent suitable for type of surrounding areas.

5.2 FIRE AND EXPLOSION HAZARDS.

ASTRO Pillow is approved to BS 476 Part 20 as an effective fire barrier with an insulation up to 134 minutes and integrity over 135 minutes.

5.3. PROTECTION MEASURES.

Not applicable.

6. ACCIDENTAL RELEASE MEASURES.

6.1 PERSONAL PRECAUTIONS.

In the event of accidental damage to the Pillow, ensure that the operator exposure is minimised to the contents. During handling contents for disposal purpose, wear goggles, gloves, loose fitting overalls and dust mask to BS6106.

6.2 ENVIRONMENTAL PRECAUTIONS.

Not applicable.

6.3 CLEANING UP

Not applicable.

7. STORAGE AND HANDLING

7.1 STORAGE. Storage should be indoors away from heat. Ideal storage should be between 10 and 30°C and below 75% relative humidity.

7.2 RECOMMENDED SHELF LIFE.

Can be indefinite.

7.3 HANDLING.

Reference should be made to the installation instructions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

8.1 OCCUPATIONAL EXPOSURE LIMITS.

Under normal conditions of industrial use the ASTRO Pillow constitutes no health hazard as the likelihood of operator exposure to content is nil. Manufacturing methods incorporated the use of an air tight bag inside a fire retardant fabric bag which are totally sealed during the manufacturing process, this inhibits the migration of the contents or dust.

8.2 ENGINEERING MEASURES.

Not applicable.

8.3 PERSONAL PROTECTIVE EQUIPMENT.

No special precaution is necessary as ASTRO Pillows are manufactured to prevent operator exposure to contents under normal industrial use. Strictly follow the instructions given for effective and safe use of the Pillows. Do not damage or split the Pillows.

Eye Protection

If the Pillow is accidentally split open or damaged, eye protection may be required especially in confined areas.

Skin Protection

Use of barrier cream is recommended during the handling of the Pillows in order to reduce accidental contact to contents.

Inhalation

If the operator is exposed to the contents of the Pillows, respiratory protection/dust mask should be used to ensure that operator exposure is below the recommendation.

9. PHYSICAL / CHEMICAL PROPERTIES.

9.1 APPEARANCE. Bright orange stable bag.

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. Temperature of expansion begins at approx. 190°C at 20°C.

9.8 MELTING POINT. N/A

9.9 FLASH POINT. N/A

9.10 AUTO-FLAMMABILITY. N/A

9.11 EXPLOSIVE PROPERTIES N/A

9.12 VAPOUR PRESSURE. N/A

9.13 VAPOUR DENSITY. N/A

9.14 RELATIVE DENSITY. 150kg/m³

9.15 SOLUBILITY. Insoluble.

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. Acute toxicity is not known. The contents may cause irritation in contact with skin, eye and mucous membrane.

EYE CONTACT. Not Applicable.

SKIN CONTACT. Not Applicable.

INGESTION. Not Applicable.

INHALATION. Not Applicable.

11.2 CHRONIC EFFECTS Not Applicable.

12. ECOLOGICAL INFORMATION.

ASTRO Pillow should not be allowed to enter drains, sewers or waterways, if this cannot be prevented the Police should be informed.

13. DISPOSAL CONSIDERATIONS.

Any waste or contaminated waste is considered non-hazardous at normal temperature and therefore it can be incinerated in a suitable facility or disposed of on an approved land fill site, provided the Local/National Regulations are observed.

14. TRANSPORT INFORMATION.

14.1 PACKAGING. No special precautions are necessary, it is, however, recommended that it is stored in a dry place away from foodstuffs.

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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