Updated: 4th October 2013

Material Safety Data - ASTRO LC LOFT CONE

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

CHEMICAL PRODUCT Trade Name: ASTRO LC LOFT CONE

REFRACTORY PRODUCT FOR FIRE PROTECTION OF LIGHTING

COMPANY IDENTIFICATION. ASTROFLAME (Fire Seals) Ltd.

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2. COMPOSITION / INFORMATION ON INGREDIENTS.

2.1 CHEMICAL DESCRIPTION.

Exonerated mineral fibre blended with Colloidal Silica and additional Organic Latex.

When handling the product, fibre dusts are released. These dusts are not classified as carcinogenic category 1, 2 or 3 (suspected carcinogenic potential) because of their high biosolubility.

2.2 HAZARDOUS INGREDIENTS.

INGREDIENTS.	CAS No.	WT%
COLLOIDAL SILICA	7631-86-9	10

3. HAZARD IDENTIFICATION.

"Contains respirable fibres. Can cause skin irritation. High dust levels may irritate the throat and eyes."

4. FIRST AID MEASURES.

4.1 EYE CONTACT.

Gentle irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention immediately.

4.2 SKIN CONTACT.

If possible vacuum excessive dust from clothes as well as skin, hair etc. Wash and clean contaminated skin with soap and clean water.

4.3 INGESTION.

It is not normally considered that intumescent products will be ingested, but if small quantities are ingested seek medical advice.

4.4 INHALATION.

Avoid breathing dust. If breathing difficulties experienced whilst machining remove to fresh air and 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.

Protective clothing should be provided for workers when a significant quantity of fibres are liable to be deposited on their clothing. Clothes should be washed by a suitable organisation.

6.2 ENVIRONMENTAL PRECAUTIONS.

Dust from intumescent products should be removed by vacuum, in a direction away from the operator, at frequent intervals during work to prevent the accumulation of dust. Where vacuuming is not possible then dust should be dampened and collected whilst still damp. All dust and hard waste should be placed in double impermeable, heave gauge polythene sacks or bags which should be then sealed. Such waste must be disposed of at an authorised waste disposal site. Off-cuts should be disposed of in the same manner.

6.3 CLEANING UP.

See section 6.2. Industrial type vacuum cleaners fitted with 'H' type filters and suitable bags must be used.

7. STORAGE AND HANDLING

7.1 STORAGE.

Both machined and un-machined items should be packed to prevent movement, abrasion during movement and absorbtion of water. Otherwise normal safe precaution for handling can be

employed. To avoid damage and distortion, store on a smooth level foundation.

7.2 RECOMMENDED SHELF LIFE.

Mineral fibre products are chemically stable and their life is no hazard under normal storage conditions

7.3 HANDLING.

All machining will create dust, a portion of which may be in the form of respirable fibres. Where the amount of dust produced is likely to exceed the control limit, approved extraction equipment must be used and if this is not adequate, approved dust respirators used in the vicinity. A small proportion of personnel may be sensitive to the dust and develop a skin irritation when in contact with it.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

8.1 OCCUPATIONAL EXPOSURE LIMITS

Man-made fibres can cause irritation of the skin and eyes and excessively dusty conditions may cause irritation of the upper respiratory tract. They contain fibres which can be breathed into the lungs.

Chemical	MEL / OES
Colloidial Silica	6 mg/m3 total inhalable, 2.4 f/ml Respirable (OES)
Exonerated Mineral	5 mg/m3 respirable, 2 f/ml 8 hour TWA Fibres (MEL)

8.2 ENGINEERING MEASURES

Fit and use approved extraction systems. Local ventilation for machining areas. If dust levels are likely to exceed action limit approved respirators must used.

8.3 PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection - see 8.2
Hand protection - gloves can be used when handling large areas. Barrier cream can be used.
Eye protection - use approved eye protection whilst machining.
Skin protection - not applicable, however to aid personal hygiene suitable overalls can be worn.

9. PHYSICAL / CHEMICAL PROPERTIES.

9.1 APPEARANCE. All mineral fibres are beige and fibrous in appearance

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 (but see maximum working temperature in Astroflames Technical Brochures)

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. 200 kg/m^3

9.15 SOLUBILITY. Not soluble in water.

9.16 PARTITION COEFFICIENT. N/A

10. STABILITY AND REACTIVITY.

10.1 STABILITY.

Considered stable under relative high temperatures and pressure. Consult ASTROflame for application suitability before use. If exposed to other chemicals reactivity must be checked before use

10.2 CONDITIONS TO AVOID.
Incompatible chemicals.

10.3 MATERIALS TO AVOID
Consult ASTROflame.

10.4 RECOMMENDED MATERIALS FOR EQUIPMENT.
No Special Requirements.

10.5 HAZARDOUS DECOMPOSITION PRODUCTS.
Loose Mineral Fibre

11. TOXICOLOGICAL INFORMATION.

11.1 SHORT TERM EFFECTS.

EYE CONTACT. Irritation.

SKIN CONTACT. Irritation may occur, often on first exposure to product.

INGESTION. Not Applicable.

INHALATION. Nose and throat irritation.

11.2 CHRONIC EFFECTS

As mineral fibres are respirable and may be retained in the lungs, there is the possibility of long term damage from exposure to high levels of dust. However exonerated mineral fibres are much more biosoluble and will disappear even more rapidly than traditional types.

LC50	N/A
COD	N/A
BOD	N/A
OTHER	Will endure in the ground.

13. DISPOSAL CONSIDERATIONS.

All Mineral Fibre products' waste must be disposed of at an authorised site suitably packed and labelled as already indicated in section 6.2

14.TRANSPORT INFORMATION.

14.1 PACKAGING.
See 7.1 .

14.2 FREIGHT CLASSIFICATION

UN NUMBER	N/A
ADR NUMBER	N/A
IMDG CODE	N/A
PACKING GROUP	N/A
TREM CARD	N/A

15. REGULATORY INFORMATION.

15.1 CPL CLASSIFICATION - None (as supplied condition)

Risk Phrases- None
Safety Phrases- None

15.2 OTHER LEGISLATION

Health & Safety At Work Act 1974

15.3 ADDITIONAL GUIDANCE

If you plan to carry out any cutting, sawing, drilling, machining or similar activities please refer to section 8 exposure control/personal protection.

16. OTHER INFORMATION.

The information in this publication is accurate to the best of the knowledge of Astroflame (Fire Seals) Ltd.

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