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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

- 1.1 CHEMICAL PRODUCT MINERAL FIBRE SERIES ASTRO LC LOFT COVER
- 1.2 APPLICATION REFRACTORY PRODUCT FOR FIRE PROTECTION OF LUMINAIRES.
- 1.3 COMPANY IDENTIFICATION

ASTROFLAME FIRESEALS LTD
UNIT 8 THE I.O CENTRE

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1.4 EMERGENCY TELEPHONE

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2. COMPOSITION / INFORMATION ON INGREDIENTS.

2.1 CHEMICAL DESCRIPTION FF120 IS EXONERATED MINERAL FIBRE BLENDED WITH COLLOIDAL

SILICA AND AN ADDITIONAL ORGANIC BINDER. WHEN HANDLING THE PRODUCT, FIBRE DUSTS ARE RELEASED. BECAUSE OF THEIR HIGH BIOSOLUBILITY, THESE DUSTS ARE NOT CLASSIFIED AS CARCINOGENIC CATEGORY 1, 2 OR 3 (SUSPECTED CARCINOGENIC POTENTIAL).

2.2 HAZARDOUS INGREDIENTS INGREDIENT CAS NO WT %

COLLOIDAL SILICA 7631-86-9

3. HAZARD IDENTIFICATION.

" RESPIRABLE FIBRES. CAN CAUSE SKIN IRRITATION" HIGH DUST LEVELS MAY IRRITATE THE THROAT AND EYES.

4. FIRST AID MEASURES.

4.1 EYE CONTACT GENTLY 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 MINERAL FIBRE 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 NOT APPLICABLE.

5.3 HAZARD 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 CLEANED BY A SUITABLE ORGANISATION.

6.2 ENVIRONMENTAL DUST FROM MINERAL FIBRE 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 THE DUST MUST BE DAMPENED AND COLLECTED WHILST STILL DAMP. ALL DUST AND HARD WASTE SHOULD BE PLACED IN DOUBLE IMPERMEABLE, HEAVY GAUGE POLYTHENE SACKS OR BAGS WHICH SHOULD THEN BE SEALED. SUCH WASTE MUST BE DISPOSED OF AT AN AUTHORISED WASTE DISPOSAL SITE. OFF-CUTS SHOULD BE DISPOSED OF IN THE SAME MATTER.

6.3 CLEANING UP SEE SECTION 6.2. INDUSTRIAL TYPE VACUUM CLEANERS FITTED WITH "TYPE FILTERS AND SUITABLE BAGS MUST BE USED.

7. STORAGE AND HANDLING

7.1 STORAGE ITEMS SHOULD BE PACKED TO PREVENT MOVEMENT, ABRASION DURING TRANSIT AND ABSORPTION OF WATER. OTHERWISE NORMAL SAFE PRECAUTIONS FOR HANDLING CAN BE EMPLOYED.

TO AVOID DAMAGE AND DISTORTION, STORE ON A SMOOTH LEVEL FOUNDATION.

7.2 RECOMMENDED SHELF MINERAL FIBRE PRODUCTS ARE CHEMICALLY STABLE AND THERE 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

MAN-MADE FIBRES CAN CAUSE IRRITATION OF THE SKIN AND EYES LIMITS 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

COLLOIDAL 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)

VENTILATION FOR MACHINING AREAS. IF DUST LEVELS ARE LIKELY TO EXCEED ACTION LIMIT, APPROVED RESPIRATORS MUST BE USED.

8.3 PERSONAL PROTECTIVE RESPIRATORY PROTECTION - SEE 8.2.

HAND PROTECTION - GLOVES CAN BE USED IF DESIRED BUT THEY SHOULD NOT BE USED WITH ROTATING EQUIPMENT. 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 ASTROFLAME DATA

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/m³

9.15 SOLUBILITY NOT SOLUBLE IN WATER

9.16 PARTITION COEFFICIENT N/A

10. STABILITY AND REACTIVITY.

10.1 STABILITY - CONSIDERED STABLE UNDER RELATIVELY 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 NO SPECIAL REQUIREMENTS.

MATERIALS FOR
EQUIPMENT

10.5 HAZARDOUS LOOSE MINERAL FIBRE.

DECOMPOSITION PRODUCTS

11. TOXICOLOGICAL INFORMATION.

11.1 SHORT TERM EFFECTS EYE CONTACT - IRRITATION

SKIN CONTACT - IRRITATION MAY OCCUR, OFTEN ON FIRST

EXPOSURE TO PRODUCT.

INGESTATION - N/A

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 THE

TRADITIONAL TYPES.

12. ECOLOGICAL INFORMATION.

12.1 LC50 N/A.

12.2 COD N/A.

12.3 BOD N/A

12.4 OTHER MINERAL FIBRE PRODUCTS 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 C.P.L 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.

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