

HEALTH & SAFETY DATA SHEET
PRODUCT 91
STB BOARD FOR THE PROTECTION OF STEEL

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: STB Board for the Protection of Steel
MANUFACTURER/SUPPLIER: Intumescent Systems Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CONSTITUTION

Synthetic Ceramic Fibre	90-95 %	by	weight
Organic Binder	5-10 %	by	weight

3. HAZARDS IDENTIFICATION

Cutting through the material and surface scuffing may release small amounts of airborne fibre and amorphous silica dust which are mechanically irritant to skin, eyes and upper respiratory system. Based on animal studies, excessive exposure to man made mineral fibre dust may cause lung damage (fibrosis) and tumours. Prolonged exposure to temperatures above 980°C can produce a small percentage of crystalline silica : a probable carcinogen.

As with any dust, pre-existing upper and lung diseases may be aggravated.

4. FIRST AID MEASURES

SKIN: Rinse affected areas with water and wash gently with soap. Do not use detergent.
EYES: Flush eyes with large quantities of water, Have eye bath readily available in areas where eye contact may occur. Seek medical attention if irritation continues.
INGESTION: Drink plenty of water. Seek medical advice.
INHALATION: Remove to fresh air, drink water and clear throat and blow nose to evacuate fibre/dust. Seek medical attention.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing agent suitable for type of surrounding combustible materials. Do not inhale products of combustion.

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6. ACCIDENTAL RELEASE MEASURES

Do not allow dust to be wind blown. Unwanted product should be collected and stored in sealed bags. Dust/fibre should be removed using a suitable vacuum cleaner with HEPA exhaust air filtration and disposal collection bags; used bags to be sealed before disposal. If sweeping is required the area should be damped down with water before brushing

7. HANDLING AND STORAGE

HANDLING: Keep dust generation to a minimum.
STORAGE: Store dry and cool. Keep in original wrapping until required for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROL Man made mineral fibre *MEL 2 fibres/ml & 5mg/m³
RESPIRATORY PROTECTION: Wear disposable dust respirator (eg. 3M 8810 or equivalent).
HAND PROTECTION: Use of gloves is recommended.
EYE PROTECTION: Wear goggles or safety glasses with side shields. Do not wear contact lenses.
SKIN PROTECTION: Wear overalls that are loose fitting at the neck and wrists.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Creamy/brown paper/board
DENSITY: 180 - 270 kg/m³
FLAMMABILITY: Material will sustain combustion for a short period until organic binder is burnt out.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Exposure to strong oxidizing agents, strong alkalis and hydrofluoric acid.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products are H₂O, CO, COR and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

This product will remain stable over time with the inorganic components remaining inert.

13. DISPOSAL CONSIDERATIONS

Waste is not classified as a hazardous waste and may be disposed of at a normal licensed industrial waste site. Local regulations should be considered. Waste should be bagged or suitably contained for disposal to prevent any dusts being wind blown during disposal.

14. TRANSPORT INFORMATION

Not regulated for Transport. Ensure that dust is not wind blown during transportation.

15. REGULATORY INFORMATION

LABELLING	
DANGER CLASSIFICATION	-
CONTAINS:	-
R PHRASES:	-
S PHRASES:	-
NATIONAL REGULATIONS:	-

16. OTHER INFORMATION

Further information regarding working with man made mineral fibres and measurement techniques may be obtained by referring to Guidance Note EH46 1990 and NDHS59 1998 published by the UK, Health & Safety Executive.

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.
