

MATERIAL SAFETY DATA SHEET

Material: **BITUPAK**

Code: LBIT Date of Issue: August 1995 Version:

1. Preparation and Company Identification

Preparation trade name: BITUPAK
Company name, address and normal telephone number:-
LAYBOND PRODUCTS LTD Tel: (UK) 01 244 674774
Riverside, Saltney, (ABROAD) +44 1244 674774
Chester CH4 8RS, England
Emergency telephone number: **as above**

2. Composition/Information on Ingredients

<u>CAS Number:</u>	<u>Chemical Name:</u>	<u>%:</u>	<u>Classification:</u>
64742-93-4	Bitumen	100%	

3. Hazard Identification: -

Bitumen at ambient temperatures presents no acute or chronic health hazards. However bitumen is normally handled at elevated temperatures, where its physical state changes to liquid. In this heated state, fumes (hydrogen sulphide) are given off which are undesirable to inhale. When Bitumen is mixed with diluents it is believed that the overall product becomes more bio-available.

4. First Aid Measures:-

Inhalation: Remove to fresh air. If breathing has stopped administer artificial respiration. Obtain immediate medical attention

Skin Contact Flush immediately with cold clean water DO NOT ATTEMPT TO REMOVE BITUMEN. Obtain immediate medical attention. If a burn with adhesion of bitumen completely encircles the body, the adhering bitumen should be split to avoid a tourniquet effect.

Eye Contact: Flush immediately with cold clean water. DO NOT ATTEMPT TO REMOVE BITUMEN. Obtain immediate medical attention

Ingestion: Ensure airways are not obstructed, treat as for skin

5. Fire-Fighting Measures:-

Suitable Extinguishing Media: Foam, dry powder, CO2, sand, earth.
Unsuitable Extinguishing Media: Never use water jet.
Special Exposure Hazards in Fires: Fumes of hydrogen sulphide.
Required Special Protective Equipment for fire fighters: Suitable protective clothing

6. Accidental Release Measures:

Precautions: Stem flow of spilled material. Extinguish all naked flames and cigarettes. Spills should be mopped up immediately with an absorbent material such as sand, earth etc. Prevent spills from entering sewers and drains. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

7. Handling and Storage-

Handling: Use appropriate protective equipment if heating or diluting bitumen with solvent.
Storage: Should be stored under cover so that water can be excluded. Store only 2 pallets high to avoid compaction.

8. Exposure Controls:-

U.K. Occupational exposure standards EH40

Bitumen fume 5mg/cm³ 8HR TWA

Respiratory Protection: Should not be necessary at normal temperatures. At elevated temperatures, suitable respirators may be required if build up of fumes cannot be avoided. Breathing apparatus should be worn in confined spaces.

Hand Protection: Neoprene or leather gauntlets with cotton inner linings.

Skin Protection: Appropriate protective clothing.

Eye Protection: Full face visor if heating or diluting product

9. Physical and Chemical Properties:-

Appearance:	Black/Brown solid	Flammability:	Not applicable
Odour:	Characteristic	Autoflammability:	> 400°C
pH:	Not applicable	Explosive Properties:	Not applicable
Boiling point		Oxidising Properties:	Not applicable
/boiling point range:	Not applicable	Vapour Pressure:	Not determined
Softening point range:	Dependant on grade	Relative Density:	Approx 1.0
Flashpoint (°C):	>230°C	Solubility (water and fat)	Slightly soluble

10. Stability and Reactivity: Stable under normal conditions. Avoid excessive heat.

Hazardous decomposition products: Oxides of carbon, nitrogen and sulphur, hydrogen sulphide and particulate matter.

11. Toxicological Information: When bitumen is mixed with diluent, it is believed that the product becomes more bio-available. If the diluent is not carcinogenic or is a Cat 3 carcinogen, it is recommended that the preparation be classified as a Cat 3 carcinogen. If the diluent is a Cat 2 carcinogen, it is recommended that the preparation be classified as a Cat 2 carcinogen.

12. Ecological Information: The slow rates of bio degradation can cause interference with the normal functioning of ecological cycles. Bitumen should therefore be contained and spills avoided.

13. Disposal Considerations: Disposal of material at a licensed waste disposal site in accordance with local and national regulations.

14. Transport Information:- Bitumen is only classified when conveyed by road or rail at temperatures in excess of 100°C.

15. Regulatory Information: Bitumen does not require labelling for supply.

16. Other Information:

Uses: For use in the construction industry in the manufacture of roofing, flooring, waterproofing adhesives, anti corrosion products.

*The data contained in this Safety Data Sheet has been supplied as required by the **Chemical (Hazard Identification and Packaging) Regulations 1993**, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.*

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This information is given in good faith, being based on the latest knowledge available to Laybond Products Ltd. No Known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use.

If the information provided is insufficient to ensure safety in any particular application, contact Laybond Products Limited for further advice before the proposed application is undertaken.

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Supersedes Issue dated : November 1989
