

# **MATERIAL SAFETY DATA SHEET**



**Product: ALUMINIUM SOLAR REFLECTIVE PAINT**

Code: BDB0 21/22

Date of Issue: March 2003

Version: 1

## **1. PREPARATION AND COMPANY IDENTIFICATION:**

Preparation Trade Name: **BOND IT ALUMINIUM SOLAR REFLECTIVE PAINT**

Supplier: **Bond It**

Address: Un G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. ENGLAND.

Telephone: (+44) 01422 315300

Emergency: As Above

## **2. COMPOSITION/ INFORMATION ON INGREDIENTS:**

<u>CAS Number</u>	<u>Chemical Name</u>	<u>%</u>	<u>Classification</u>
64742-93-4	Bitumen	> 40	
64742-82-1	White Spirit	< 40	F; R10; Xn; R65; R66; N; R51/53
7664-38-2	Phosphoric Acid	< 1.0	C; R34

## **3. HAZARD IDENTIFICATION:**

Contains solvent which causes defatting of the skin and, in extreme cases, dermatitis. Flammable (R10). Toxic to aquatic organisms, may cause long term effects in the aquatic environment (R51/53). Harmful - may cause lung damage if swallowed (R65). Repeated exposure may cause skin dryness or cracking (R66).

## **4. FIRST AID MEASURES:**

**Inhalation:** Remove person to fresh air. If discomfort persists seek medical advice.

**Skin Contact:** Remove contamination with proprietary skin cleaner, followed by washing with soap and water. This procedure should also be followed prior to eating, drinking, smoking and toilet functions.

**Eye Contact:** Irrigate immediately with clean water for 15 minutes and obtain medical attention.

**Ingestion:** If swallowed, seek medical advice immediately. Do not induce vomiting. If possible show product information or label to medical advisor.

## **5. FIRE FIGHTING MEASURES:**

**Suitable Extinguishing Media:** Dry Powder, CO<sub>2</sub>, Foam, Sand, Earth

**Unsuitable Extinguishing Media:** NEVER USE WATER JET

**Special Exposure Hazards in Fires:** None known

**Required Special Protective**

**Equipment for Fire Fighters:** Wear suitable protective clothing

## **6. ACCIDENTAL RELEASE MEASURES:**

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

## **7. HANDLING AND STORAGE:**

**Handling:** Ensure adequate ventilation

**Storage:** Should be stored under cover out of direct sunlight and away from sources of heat and ignition.

## **8. Exposure Controls:**

UK Occupational exposure standards - EH40

White Spirit 100ppm, 575mg/m<sup>3</sup> 8HR TWA

**Respiratory Protection:** Should not be necessary with adequate ventilation. In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended

**Hand Protection:** Wear suitable impervious gloves

**Skin Protection:** Wear appropriate protective clothing.

**Eye Protection:** Wear chemical resistant goggles if there is risk of splashing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>Appearance:</b>	Black fibrous paste	<b>Flammability:</b>	Not applicable
<b>Odour:</b>	Petroleum solvent	<b>Autoflammability:</b>	> 300°C
<b>pH:</b>	Not applicable	<b>Explosive Properties:</b>	UEL - 8% Vol LEL - 0.9% Vol
<b>Boiling Point/ boiling point range</b>	Not determined	<b>Oxidising Properties:</b>	Not applicable
<b>Melting Point/ melting point range</b>	Not applicable	<b>Vapour Pressure:</b>	Not determined
<b>Flashpoint (°C):</b>	Approx 40°C - closed cup	<b>Relative Density:</b>	Approx 1.0
		<b>Solubility (water &amp; fat):</b>	Insoluble in water

**10. STABILITY AND REACTIVITY:** Stable under normal conditions. Avoid excessive heat.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, hydrogen sulphide, oxides of nitrogen and sulphur.

**11. TOXICOLOGICAL INFORMATION:** When bitumen is mixed with diluent, it is believed that the preparation becomes more bio-available. The carcinogenicity of the preparation is strongly dependant on the nature of the solvent used since the polycyclic aromatic content of the bitumen is low.

**12. ECOLOGICAL INFORMATION:** The preparation has not been tested however, when wet it will emulsify and disperse in water. With slow rate bio degradation, bitumen can cause interference with the normal functioning of ecological cycles. Bitumen should therefore be contained and spills avoided.

**13. DISPOSAL CONSIDERATIONS:** Disposal of material should be by incineration in accordance with local regulations. Packaging should be similarly disposed of.

**14. TRANSPORT INFORMATION:** U.N. No: 1999 Liquid Tars Class 3 Packaging Group III

## 15. REGULATORY INFORMATION:

R10	Flammable.	
R51/53	Toxic to aquatic organisms, may cause long term effects in the aquatic environment.	
R65	Harmful, may cause lung damage if swallowed.	
R66	Repeated exposure may cause skin dryness or cracking.	
S2	Keep out of reach of children.	
S29/56	Do not empty into drains, dispose of material and container as hazardous waste or take to a special waste collection point.	
S37	Wear suitable protective gloves.	
S46	If swallowed seek medical advice immediately and show container label.	
S51	Use only in well ventiated areas.	
S61	Avoid release to the environment. Refer to special instructions/ safety data sheets.	
EEC Symbol	Xn Harmful	N: Dangerous to the environment
	Contains white spirit.	



## 16. OTHER INFORMATION:

### USES: ROOF COATING

*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 Bond It. 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 Bond It for further advice before the proposed application is undertaken.*