

# UNIVERSAL SEALANTS (UK) LIMITED

## NUFINS DIVISION

Kingston House, 3 Walton Road, Pattinson North,  
Washington, Tyne & Wear. NE38 8QA  
Telephone No: 0191 416 8360 Fax No: 0191 415 5966

### 1. Product Identification

**Trade Name:** BITUSEAL A1/A2  
**Description:** Rubber modified bitumen.

### 2. Composition / Information on Ingredients

Ingredient	CAS Number	Conc. (w/w)	Classification	R. Phrases
Rubber modified bitumen		100%	Not classified as hazardous	

### 3. Hazard Identification

At ambient temperatures there are no acute health hazards. Under normal conditions of use these products are at elevated temperatures and should be handled accordingly. These high temperatures could result in burning on contact with the skin.

### 4. First Aid Measures

In all cases if symptoms are severe, persistent, or cause concern obtain medical advice.

**Inhalation:** Inhalation of fumes from hot product should be avoided. Should adverse effects result, remove to fresh air.

**Skin Contact:** The affected part should be immediately plunged into cold running water until thoroughly cold.  
No attempt should be made to remove adhering bitumen from the skin unless the site of contact or nature of product makes this essential. Bitumen will provide a sterile covering until healing occurs and it will then detach itself. Where it is absolutely necessary to remove adhering bitumen from the skin, use liberal amounts of warm medicinal paraffin and kerosene. Kerosene can cause skin irritation. Follow this by washing with soap and water. Apply a proprietary refatting agent or a skin cleansing cream.  
Bitumen encircling a limb or digit may cause a tourniquet effect and such cases should receive medical attention without delay.

**Eye Contact:** Accidental contact of hot product with eyes should be cooled by irrigating with cold running water for 10-15 minutes. Seek prompt medical attention.

**Ingestion:** In the unlikely event of ingestion. DO NOT INDUCE VOMITING. Keep at rest. Seek prompt medical attention.

### 5. Fire Fighting Measures

**Suitable Extinguisher Media:** Foam, dry powder or carbon dioxide.

**Unsuitable Extinguishing Media:** Water.

**Exposure Hazards:** May give off toxic fumes if heated or involved in a fire.

**Special Protective Equipment:** Full face, positive pressure, self-contained breathing apparatus and full protective clothing.

#### **6. Accidental Release Measures**

**Personal Precautions:** Wear protective equipment as specified in Section 8. Do not eat, drink or smoke. Avoid contact with eyes and skin.

**Environmental Precautions:** Eliminate all ignition sources. Keep people and animals away. Prevent entry into drains, sewers and watercourses. If spillage enters drains leading to sewerage works inform the local water company. If spillage enters rivers or watercourses inform the Environment Agency.

**Spillages:** Cordon off area. Absorb/contain spillage using inert absorbent granules, sand or earth. Collect spilt material and dispose of by incineration, subject to local disposal regulations. See Section 13.

#### **7. Handling and Storage**

**Handling:** No special precautions are necessary. When handling unopened containers follow any relevant manual handling guidance. Avoid water contamination with molten bitumen which may give rise to frothing, causing tanks and pots to overflow. Refer to Sections 6 and 8 if exposure to product is possible. Wash thoroughly with soap and water before eating, drinking or smoking, and after work.

**Storage:** Store in original containers in a well ventilated area away from heat, ignition sources or open flame. Protect from direct sunlight.

#### **8. Exposure Controls / Personal Protection**

**Occupational Exposure Standards:** None known.

**Engineering Control Measures:** Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection and may include physical containment and good ventilation.

**Respiratory Protection:** Approved respirator and filter medium for particulates if engineering controls are unlikely to control exposure below acceptable limits. All items must conform to EN149 and should be suitable for the levels of contamination present in the workplace.

**Hand Protection:** Wear heavy duty, heat resistant gloves. These must be manufactured to EN374. The material breakthrough time should be stated by the glove manufacturer, and must be observed at all times.

**Eye Protection:** Splash proof goggles conforming to BS 2092.

Ref: HSD/B2  
Issue No: 2  
Date of Issue: 19<sup>th</sup> January, 2004

**Body Protection:** Wear suitable impervious overalls.  
**Foot Protection:** Wear chemical resistant safety footwear.  
**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Avoid skin contact with hot product.

#### 9. Physical and Chemical Properties

<b>Appearance:</b>	Black solid at ambient temperature	<b>Boiling Point:</b>	N/D
<b>Odour:</b>	Bitumen	<b>Vapour Pressure @ 20°C:</b>	N/D
<b>pH:</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1):</b>	N/A
<b>Flash Point:</b>	>200°C	<b>Flammable Limits in Air:</b>	<b>Upper:</b> N/D <b>Lower:</b> N/D
<b>Solubility:</b>	Insoluble in water	<b>Autoignition Temperature:</b>	N/D
<b>Flammability:</b>	Not Flammable		
<b>Specific Gravity:</b>	1.15-1.25		

#### 10. Stability and Reactivity

**Stability:** Stable under normal conditions (see Section 7).  
**Materials to Avoid:** Water, acids, alkalies.

**Hazardous Decomposition Products:** Oxides of carbon.

#### 11. Toxicological Information

There is no data available on the product itself. It is not classified as hazardous to health provided it is correctly used in accordance with the given recommendations.

#### 12. Ecological Information

There is no data available.

#### 13. Disposal Considerations

Material may be disposed of by incineration, subject to local, national or EU regulations and in compliance with the Environmental Protection (Duty of Care) Regulations 1991, and be undertaken by an authorised contractor.

#### 14. Transport Information

Not classified as dangerous in the meaning of the transport regulations.

#### 15. Regulatory Information

**EU Classification and Labelling Particulars:** Not classified as hazardous and therefore does not require labelling.

**Designated Name:** BITUSEAL A1 / A2

Ref: HSD/B2  
Issue No: 2  
Date of Issue: 19<sup>th</sup> January, 2004

**Classification:** Not classified as hazardous

**Indication(s) of Danger:** N/A

**Risk and Safety Phrases:**

S36/37: Wear suitable protective clothing and gloves.

**UK Guidance Publications:** EH40; Occupational Exposure Limits, HSE. Revised annually.  
EH26; Occupational Skin Diseases - Health and Safety Precautions, HSE.

**UK Legislation:** Health and Safety at Work, etc Act, 1974, and relevant Statutory Provisions.  
Control of Substances Hazardous to Health Regulations, 1999.  
The Manual Handling Operations Regulations, 1992.  
The Personal Protective Equipment at Work Regulations, 1992.  
Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 - CHIP 3.

16. Other Information

**Full Text of R-Phrases Referred to above:**

N/A

**Training Advice:** Do not use unless trained to do so. Refer to the Technical Data Sheet for the product.

**Recommended Uses:** For professional use only. These products are designed for use as hot poured thermoplastic bitumen rubber sealants.

**Further Information:** This Safety Data Sheet was compiled in accordance with EU Directives 67/548/EEC and 1999/45/EC. Reference was also made to the above legislation and guidance publications.

**MSDS First Issued:** 18<sup>th</sup> February 1997

**MSDS Revised:** 19<sup>th</sup> January 2004

**Changes in this Version:** All sections revised to comply with CHIP 3 provisions.

**Prepared By:** F. Stratton

**Disclaimer:** The information in this document is offered for general health and safety guidance only and is not intended to be a definitive source of advice, nor does it constitute a risk assessment, for which the user is responsible. All information provided in this document is believed to be accurate to the best of our knowledge. Users of the products referred to should observe the recommendations, conditions and instructions relating to any relevant product label, usage information, consent or approval in force at the time. Further and more specific information may be obtained from the supplier on request.