



# Armourseal® BP11

## Crack & Joint Sealing



### MATERIAL SAFETY DATA SHEET Latest Revision - March 2020

1/4

**PRODUCT:** Armourseal N1 & N2

**OTHER NAMES:** Armourjointseal, Jointseal, ASTM D1190, D3405, HTS JS, Hot Applied Joint Sealant

**STOCK CODES:** BP08, BP09, BP11

#### 1. SUBSTANCE / PREPARATION & COMPANY IDENTIFICATION:

**CHEMICAL NATURE:** Bituminous / Polymer Joint and Crack Sealing Compound

**COMPANY:** Walker Sealants Limited  
Outland Head Works  
Hope Valley, Bradwell  
Derbyshire, S33 9JP

**TEL:** +44 (0)1433 621 600

**EMAIL:** [sales@walkersealants.co.uk](mailto:sales@walkersealants.co.uk)

**WEB:** [www.walkersealants.co.uk](http://www.walkersealants.co.uk)

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

CONTAINS	EEC SYMBOL	R & S PHRASES	CAS NUMBER
SBS Polymer	Not Classified	-	106107-54-4 9003-55-8
Bitumen	Not Classified	-	8052-42-4 9003-55-8

#### 3. HAZARD IDENTIFICATION:

None

#### 4. FIRST AID MEASURES:

In all cases if symptoms are severe, persist or cause concern obtain immediate medical advice. First aid procedures apply when the product is at elevated temperature.

**INHALATION:** Move the affected person to fresh air. If the person feels unwell or in case of prolonged exposure, seek medical attention.

**EYES:** Rinse with copious amounts of cold water for at least 10 mins and seek medical attention immediately.

**SKIN:** Treat the affected area with water - spray or immersion. Do not attempt to remove product from skin. Seek medical advice immediately.

**INGESTION:** Rinse mouth with water. If swallowed drink water in small amounts. Do not induce vomiting. Seek medical attention immediately.



# Armourseal® BP11

## Crack & Joint Sealing



### MATERIAL SAFETY DATA SHEET Latest Revision - March 2020

2/4

#### 5. FIRE FIGHTING MEASURES:

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemicals, Foam, Water Spray mist

**UNSUITABLE EXTINGUISHING MEDIA:** High Pressure Water Jet

**EXPOSURE HAZARDS:** Risk of Fire and Explosions if product is overheated.

**THE MATERIAL REACTS VIOLENTLY WITH WATER.**

**PROTECTIVE EQUIPMENT:** Use full protective clothing and self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES:

**PROTECTIVE MEASURES:** Avoid contact with skin, eyes and clothing. Wear suitable protective clothing  
Enclosed spaces should be opened to atmosphere.

#### CLEAN UP METHODS:

**Soil** Allow the material to solidify

**Water** The product has a density greater than 1.00g/cm<sup>3</sup>, contain and recover by physical means.  
Dispose safely in accordance with local or national regulations.

#### 7. HANDLING & STORAGE:

**HANDLING:** Hot Material (150 - 185°C) - Avoid breathing fumes. Ensure adequate ventilation. Avoid eye and skin contact. Wear suitable protective clothing (S36/37/39).

**STORAGE:** Packages - Store in a cool dry place away from sources of ignition. Hot Liquid - Ventilate adequately as Hydrogen Sulphide can accumulate in confined spaces.

#### 8. EXPOSURE CONTROL / PERSONAL PROTECTION:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include adequate ventilation to control airborne concentrations below the exposure guidelines/limits. PPE should meet recommended national standards. Check PPE suppliers.

#### EXPOSURE CONTROL LIMITS:

Petroleum Fumes	OES (8 hours) 5mg/m <sup>3</sup>
	OES (15 minutes) 15mg/m <sup>3</sup>
Hydrogen Sulphide	OES (8 hours) 10mg/m <sup>3</sup>

**Manufactures & Suppliers of:**  
Joint Sealants  
Bituminous Repair Compounds  
High Friction Surfacing  
Colour Coated Aggregates  
**The Complete Highway Service**

**Walker Sealants Limited**  
Manufacturing & Sales Division  
Outland Head  
Bradwell, Hope Valley  
Derbyshire, S33 9JP  
Tel: 01433 621 600



Directors: J.S. Walker, J.G.R. Walker  
Company Reg No. 4041871

A member of the Walker Group of Companies



# Armourseal® BP11

## Crack & Joint Sealing



### MATERIAL SAFETY DATA SHEET Latest Revision - March 2020

3/4

SBS Polymer OES (15 minutes) 25mg/m<sup>3</sup>  
OES (8 hours) 10mg/m<sup>3</sup>  
OES (15 minutes) 25mg/m<sup>3</sup>

**SKIN PROTECTION:** Wear suitable long sleeved, full body overalls and safety boots at all times. Exposed skin must be covered due to risk from splashes.

**HAND PROTECTION:** Wear suitable gloves.

**EYE PROTECTION:** Wear suitable goggles or face protection.

#### 9. PHYSICAL & CHEMICAL PROPERTIES:

<b>APPEARANCE:</b> SOLID FORM BLACK	<b>FLASHPOINT:</b> ≥ 250°C
<b>ODOUR:</b> PERCEPTIVE	<b>IGNITION:</b> ≥ 280°C
<b>DENSITY RANGE:</b> 1.20 ± 0.5g/cm <sup>3</sup>	<b>MELTING POINT/RANGE:</b> 120 - 185°C
<b>SOLUBILITY IN WATER:</b> INSOLUBLE	<b>pH VALUE:</b> N/A
<b>BOILING POINT / RANGE:</b> N/A	<b>OXIDISING PROPERTIES:</b> N/A
<b>AUTOFLAMMABILITY:</b> N/A	<b>VISCOSITY:</b> < 2000 mPas

#### 10. STABILITY & REACTIVITY:

**THERMAL DECOMPOSITION:** Stable under normal operating conditions.  
**CONDITIONS TO AVOID:** Overheating, Water Ingress.  
**MATERIALS TO AVOID:** The hot produce reacts violently with water.  
**HAZARD DECOMPOSITION:** Thermal decomposition or burning may release Carbon Monoxide, Soot and Hydrogen Sulphide.

#### 11. TOXICOLOGICAL INFORMATION:

**INGESTION:** > 2000mg/kg\* =

**EYES:** > 2000mg/kg\*

\* EXPECTED RESULTS, NOT TESTED

#### 12. TRANSPORT INFORMATION:

NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT

#### 13. DISPOSAL INFORMATION:

**Joint Sealing Material** - authorised disposal in accordance with local or National Regulations.

**Packages** - to be considered as industrial waste.



# Armourseal® BP11

## Crack & Joint Sealing



### MATERIAL SAFETY DATA SHEET Latest Revision - March 2020

4/4

#### 14. ECOLOGICAL INFORMATION:

**Avoid losses to the environment wherever possible. No known risks.**

**MOBILITY:**   **Air:**               There is a slow loss by evaporation.  
                  **Soil:**                 The product generally has a slow soil mobility.  
                  **Water:**                The product is not water soluble.

**DEGRADABILITY:**               Non - Biodegradable.

**ECOTOXICITY:**                 Not dangerous for Aquatic or Terrestrial life.

**96 HOURS LC50 (mg/L):**       Insoluble - Non-Toxic.

#### 15. REGULATORY INFORMATION:

##### EC LABELLING AS REQUIRED BY CHIP\*

**SYMBOL(S) EC:**               Not classified according to EEC directives 67/548/EEC and 88/379/EC.

**S36/37/39:**                   Wear suitable protective clothing.

#### 16. OTHER INFORMATION:

##### PRODUCT USE:

The provisions of Safety Data Sheets come under the REACH and CHIP regulations. This is in addition to the users of products supplied by Walker Sealants Limited should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health (COSHH).

The information in the MSDS was obtained from sources believed to be reliable. The information is provided with no warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the material are beyond our control and may be beyond our knowledge. For this and other reasons we assume no responsibility and expressly disclaim liability for loss, damage or expense arising from, or in any way connected with the handling, storage, use or disposal of this material.

---

This data is provided for your information and your attention is drawn to the appropriate package labelling and the product safety data sheet. Users of the product must ensure its proper use in accordance with good industrial practices, proper medical advice and any official or Government notice or publication. This information is provided gratuitously independent of any sale of the product and does not form part of any contract or sale nor does it constitute any representation, warranty or condition of merchantability or fitness for any purpose.

---

**Manufactures & Suppliers of:**  
Joint Sealants  
Bituminous Repair Compounds  
High Friction Surfacing  
Colour Coated Aggregates  
**The Complete Highway Service**

**Walker Sealants Limited**  
Manufacturing & Sales Division  
Outland Head  
Bradwell, Hope Valley  
Derbyshire, S33 9JP  
Tel: 01433 621 600



Directors: J.S. Walker, J.G.R. Walker  
Company Reg No. 4041871

**A member of the Walker Group of Companies**