

**1 Identification Of The Substance/Preparation and Company/Undertaking**

Name of preparation: Bitumen Cold Joint Sealer  
 Common uses: Sealing joints against water ingress.  
 Company name: Instarmac Group plc  
 Address: Kingsbury Link, Trinity Road, Tamworth, B78 2EX  
 Tel. No.: 01827 872 244

Emergency Tel. No: 07971 217 347

**2 Composition/Information on Ingredients Chemical Description:****Liquid Bitumen Aerosol**

Ingredient	EINECS	ELINC	CAS	Classification	Content	Risks
Butane	203-447-7	N/D	106-97-8	F+	5-10%	R12
Xylene	215-535-7	N/D	1330-20-7	Xn; Xi	10-30%	R10, R20/21, R38
Dimethyl Ether	204-065-8	N/D	115-10-6	F+	10-30%	R12
Propane	200-827-9	N/D	74-98-6	F+	5-10%	R12
White Spirit	265-185-4	N/D	64742-82-1	Xn, N	10-30%	R10, R51/53, R65, R66
Isobutane	200-857-2	N/D	75-28-5	F+	1-5%	R12

**3 Hazards Identification**

Extremely flammable. Harmful by inhalation and in contact with skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Classification XN;R20/21. F+;R12. R52/53

**4 First-Aid Measures**

**Inhalation:** Move to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**Eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash the eyes with plenty of water while lifting the eye-lids. Continue to rinse for at least 15 minutes. Get medical attention if discomfort continues.

**Skin contact:** Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Ingestion:** **Do not induce vomiting!** Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

**5 Fire-Fighting Measures**

**Suitable extinguishing media:** Dry powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**Special fire fighting procedures:** Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**Unusual fire & explosion hazards:** Aerosol cans may explode in fires.

**6 Accidental Release Measures**

**Personal Precautions:** Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaced because of explosion risk. If leakage cannot be stopped evacuate the area.

**7 Handling and Storage****Handling:**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**Storage:**

Aerosol cans must not be exposed to direct sunlight or temperatures above 50°C.

**8 Exposure Controls/Personal Protection**

Name	Std	LT-ppm	LT-mg/m <sup>3</sup>	ST-ppm	ST-mg/m <sup>3</sup>
Propane		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating
Butane	OES	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>
Xylene	OES	50 ppm (Sk)	220 mg/m <sup>3</sup> (Sk)	100 ppm (Sk)	441 mg/m <sup>3</sup> (Sk)
Dimethyl Ether	OES	400 ppm	766 mg/m <sup>3</sup>	500 ppm	958 mg/m <sup>3</sup>
Isobutane	OES	800 ppm		800 ppm	
White Spirit			600 mg/m <sup>3</sup>		

**Ingredient comments:**

OES = Occupational Exposure Standard.  
MEL = Maximum Exposure Limit

**Protective equipment:****Engineering Measures:  
Respiratory Equipment:**

Provide adequate general and local exhaust ventilation.  
No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.

**Hand Protection:**

Use protective gloves.

**Eye protection:**

Use eye protection.

**Other protection:**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygienic Measures:**

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

**9 Physical and Chemical Properties****General Information**

Appearance: Aerosol  
Colour: Black  
Odour/taste: Characteristic  
Solubility: Insoluble in water  
Flammability limit lower % 0.6  
Flammability limit higher% 18.6

**10 Stability and Reactivity****Stability:**

Stable under normally temperature conditions.

**Conditions to avoid:**

Heat, flames and other sources of ignition. Avoid contact with strong oxidising agents, strong alkalis, and strong minerals.

**Hazardous decomposition products:**

Fire creates vapours/gases/fumes of – Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11 Toxicological Information****Health hazards general:****Inhalation:**

May cause irritation of the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. High concentrations of vapours may irritate respiratory system. Harmful by inhalation. Irritating to respiratory system.

**Ingestion:** May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including stomach upset.

**Eye:** Irritation of eyes. May cause chemical eye burns.

**Skin:** Harmful in contact with the skin. Irritating to the skin. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on the skin. May cause cracking of skin and eczema.  
Route of entry: Inhalation, skin and/or eye contact.

**12 Ecological Information:** Dangerous for the environment if discharged into watercourses.

**13 Disposal Considerations**

**Disposal methods:** Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

**14 Transport Information**

**General:** This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA< ADR/RID).

UK Road Transport Class:	2
Proper shipping name:	Aerosols
UN No. Road:	1950
ADR Class No:	2
ADR packing group:	Not applicable
CEFIC TEC(R) No:	20G5F
RID packing group:	Not applicable
IMDG class	2
IMDG packing group:	Not applicable
MFAG:	See guide
UN No Air:	1950
Air packing group:	Not applicable
UN Road packing group:	Not applicable
ADR Class:	Class 2: Gases
ADR Label No:	2
RID Class No:	2
UN No Sea:	1950
IMDG Page No:	2
EmS No:	F-D, S-U
Marine Pollutant:	No
ICAO Class:	2.1





**15 Regulatory Information**

**Labelling for supply:**

**Contains:**

**Risk Phrases:**

Xylene			
R10	Flammable		
R12	Extremely flammable.		
R20/21	Harmful by inhalation and in contact with skin.		
R38	Irritating to the skin.		
R51/52/53	Toxic, harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.		
R65	Harmful may cause lung damage if swallowed.		
R66	Repeated exposure may cause skin dryness or cracking.		

<b>Safety Phrases:</b>	S2	Keep out of the reach of children.
	S16	Keep away from sources of ignition – No smoking.
	S23C	Do not breathe vapour/spray.
	S36/37	Wear suitable protective clothing and gloves.
	S51	Use only in well ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.
<b>UK regulatory References:</b>		The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
<b>Approved Code of Practice:</b>		Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>Guidance notes:</b>		Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS (G)37. CHIP for everyone HSG (108).

## 16 Other Information

<b>Training advise:</b>	If any further information is required contact Instarmac Group plc
<b>Recommended restrictions on use:</b>	Should always be used in accordance with material data sheet.
<b>Further information:</b>	(written references and/or technical contact point); Contact Instarmac Group for further information.

### Sources of key data used to compile the data sheet:

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 The Compilation of Safety Data Sheets (Third Edition) Control of Substances Hazardous to Health (Regulations) 1998 Manual Handling Operations Regulations 1992 Information collated from raw materials suppliers.

Users of products supplied by Instarmac Group plc should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied to Instarmac Group plc's general conditions of sale.