



MATERIAL SAFETY DATA SHEETS

FOR THE ULTIMATE ROOFING PROTECTION

1. Substance / Preparation & Company ID

Chemical Name of Preparation:	Bullet Roof Detailer
Company Name and Address:	Bullet Building Products. Barbot Hall Industrial Estate, Mangham Road, Rotherham. S61 4RJ
Telephone Number:	01274 752643
Relevant identified use of the substance or mixture:	Novel, all weather rapid curing, single component polyurethane liquid membrane for waterproofing and protection.


2. Hazard Identification

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

Health Hazard:	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT RE 2 H373
Physical Hazrds:	Flammable liquids - Category 3 - Warning (CLP : Flam. Liq. 3) H226

Label Elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictogram:	
Signal Word:	Warning
Hazardous ingredients:	Xylene
Hazard Statements (CLP):	H226 - Flammable liquid and vapour H315 - Causes skin irritation H319 - Causes serious eye irritation H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P260 - Do not breathe vapours P280 - Wear protective gloves, face protection, eye protection P233 - Keep container tightly closed P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P271 - Use only outdoors or in a well-ventilated area P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
EUH-Statements:	EUH204 - Contains isocyanates. May produce an allergic reaction
Other Hazards:	No additional information available

3. Composition / Information on Ingredients

Substance:	Not applicable
Mixture:	

Name	Product Identifier	%	Classification according to directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Xylene	(CAS No.) 1330-20-7 (EC No.) 215-535-7 (EC indext No.) 601-022-00-9	10-15	R10 Xn; R20/21 Xi; R36/37/38 Xn;R65	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304

Specific concentration limits:

Name	Product Identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
Xylene	(CAS No.) 1330-20-7 (EC No.) 215-535-7 (EC indext No.) 601-022-00-9	(C>=12.5) Xn; R20/21	

Full text of R and H statements: See section 16

4. First Aid Measures

First aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation:	Allow breathing of fresh air. Allow the victim to rest.
Skin Contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries:	Causes damage to organs.
Symptoms/injuries after skin contact:	Causes skin irritation.
Symptoms/injuries after eye contact:	Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

No additional information available

5. Fire Fighting Measures

Extinguishing Media Suitable extinguishing media: Unsuitable extinguishing media:	Foam. Water spray. Dry powder. Carbon dioxide. Sand. Do not use a heavy water stream.
Special Hazards Arising From The Substance or Mixture Flammable Class: Hazardous combustion products:	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture
Advice For Firefighters Firefighting instructions: Protection during firefighting:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
For non-emergency personnel Emergency procedures	Evacuate unnecessary personnel.
For emergency responders:	Equip cleanup crew with proper protection. Ventilate area.

Environmental Precautions

Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
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Methods and materials for containment and cleaning up

Clean up methods:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spills and put it into appropriated container. Store away from other materials.
Reference to other sections	See section 8. Exposure controls/personal protection.

9. Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical state : Liquid
Colour : Grey.
Odour : characteristic.
Odour threshold : No data available
pH : Not applicable
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : 42 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Flammable liquid and vapour
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.45 g/cm³
Solubility : Soluble in water.
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 5000 cP
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

Other information

No additional information available

10. Stability & Reactivity

Reactivity:	No additional information available
Chemical Stability:	Stable under the recommended storage conditions.
Possibility of Hazardous Reactions:	None under normal use
Conditions to Avoid:	Open flame. Overheating. Direct sunlight. Heat. Sparks. Extremely high or low temperatures.
Incompatible Materials Materials to avoid:	Strong acids. Strong bases. Water, amines and alcohols
Hazardous Decomposition Products:	Fume. Carbon dioxide. Carbon monoxide. May release flammable gases.

11. Toxicological Information

Information on Toxicological Effects

Acute toxicity : Not classified
Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Based on available data, the classification criteria are not met
Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)
: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Viscosity, kinematic:	3448.27586207 mm ² /s
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12. Ecological Information

Toxicity

Toxicity Information:	No additional information available
Persistence - degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in Soil	No additional information available
Results of PBT and vPvB assessments:	No additional information available

Other Adverse Effects

Additional Information:	Avoid release to the environment
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13. Disposal Considerations

Waste Treatment Method

General:	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the environment.
Special precautions:	Handle empty containers with care because residual vapours are flammable.

14. Transport Information

in accordance with ADR/RID/IMDG/IATA/ADN

UN No (ADR):	1139
UN-No (IMDG):	1139
UN-No (IATA):	1139
UN-No (ADN):	Not applicable
UN-No (RID):	Not applicable

UN Proper shipping name

Proper Shipping Name (ADR) :	COATING SOLUTION
Proper Shipping Name (IMDG) :	COATING SOLUTION
Proper Shipping Name (IATA) :	Coating solution
Proper Shipping Name (ADN) :	Not applicable
Proper Shipping Name (RID) :	Not applicable
Transport document description (ADR) :	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF ADR - The product is packed in receptacles of less than 450 litres capacity. - Exempted according to 2.2.3.1.5 (Viscous substance exemption)), 3, III, (D/E)
Transport document description (IMDG) :	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF IMDG CODE FOR THE MARKING, LABELLING AND TESTING OF PACKAGES IN CHAPTERS 4.1, 5.2, AND 6.1. - The product is packed in receptacles not exceeding 30 L capacity - The following statement shall be included in the transport document: "Transport in accordance with 2.3.2.5 of the IMDG Code.") , 3, III

Transport hazard class(es) (ADR):	3
Danger Labels (ADR):	3 FLAMMABLE 3

IMDG

Transport hazard class(es) (IMDG):	3
Danger Labels (IMDG):	3 FLAMMABLE 3

IATA

Transport hazard class(es) (IATA):	3
Hazard labels (IATA):	3 FLAMMABLE 3

ADN

Transport hazard class(es) (ADN):	Not applicable
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RID

Transport Class(es) (RID):	Not applicable
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Packing Group

Packing group (ADR) :	III
Packing group (IMDG) :	III
Packing group (IATA) :	III
Packing group (ADN) :	Not applicable
Packing group (RID) :	Not applicable

Environmental hazards:

Dangerous for the environment:	No
Marine pollutant:	no
Other information:	No supplementary information available

Special precautions for user

Overland transport	Classification code (ADR) : F1 Special provisions (ADR) : 640E Limited quantities (ADR) : 5l Excepted quantities (ADR) : E1 Packing instructions (ADR) : P001, IBC03, LP01, R001 Mixed packing provisions (ADR) : MP19 Transport category (ADR) : 3 Special provisions for carriage - Packages (ADR): V12 Special provisions for carriage - Operation (ADR): S2 Hazard identification number (Kemler No.) : 30
Orange plates	30 / 1139
	Tunnel restriction code (ADR) : D/E EAC code : •3YE
Transport by Sea:	Special provisions (IMDG) : 955 Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 IBC packing instructions (IMDG) : IBC03 EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-E Stowage category (IMDG) : A Properties and observations (IMDG) : Miscibility with water depends upon the composition.
Air transport:	PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3 ERG code (IATA) : 3L
Inland waterway transport	No
Rail transport:	No
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable

15. Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Mixture: EU-Regulations:	Contains no substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances
National regulations	<p>Germany VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)</p> <p>Netherlands SZW-lijst van kankerverwekkende stoffen : None of the components are listed SZW-lijst van mutagene stoffen : None of the components are listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: xylene is listed</p> <p>Denmark Class for fire hazard : Class II-1 Store unit : 5 liter Classification remarks : R10 <H226;H315;H319;H373>; Emergency management guidelines for the storage of flammable liquids must be followed Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal</p>

16. Legislation and Other Information

Revision Date:	12/01/2015
Data Sources:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information:	None
Full list of R, H and EUH Statements:	Acute Tox. 4 (Dermal) Acute toxicity (dermal), Category 4 Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), Category 4 Asp. Tox. 1 Aspiration hazard, Category 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 3 Flammable liquids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2 STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H319 Causes serious eye irritation H332 Harmful if inhaled H335 May cause respiratory irritation H373 May cause damage to organs through prolonged or repeated exposure EUH204 Contains isocyanates. May produce an allergic reaction R10 Flammable R20/21 Harmful by inhalation and in contact with skin R36/37/38 Irritating to eyes, respiratory system and skin R65 Harmful: may cause lung damage if swallowed Xi Irritant Xn Harmful
	It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly. The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
This product / component is for use only as directed in the product data sheet and in accordance with good practice, alternative methods of application must be properly assessed before use. It is the responsibility of the user to carry out any statutory risk assessment associated with the use of this product in a given situation or environment. Due consideration should be given to the impact of the use of this product on others in the vicinity. It is the responsibility of the client to ensure that where risk assessments are being undertaken, this is being done with up to date information. The information in this safety data sheet is indicative of the product and properties and in no way constitutes a specification for sale or warranty of product properties or fitness for specific application or purpose. This product / component may fall within the scope of the Control of Substances Hazardous to Health Regulations (CoSHH), users are reminded that this document itself does not constitute an assessment under these regulations.	