

# **BONDLOC<sup>TM</sup>**

## **FORMULAS THAT WORK**

### **SAFETY DATA SHEET**

#### **B542**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

#### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

##### **1.1. Product identifier**

**Product name** B542  
**Container size** 10ml, 25ml, 50ml and 250ml bottles

##### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Adhesive.

##### **1.3. Details of the supplier of the safety data sheet**

###### **Supplier**

Bondloc UK Ltd  
Unit 2 Bewdley Business Park  
Long Bank  
Bewdley  
Worcestershire  
DY12 2TZ  
+44 (0)1299 269269  
+44 (0)1299 269210  
sales@bondloc.co.uk

##### **1.4. Emergency telephone number**

**Emergency telephone** +44 (0)1299 269269

#### **SECTION 2: Hazards identification**

##### **2.1. Classification of the substance or mixture**

###### **Classification (EC 1272/2008)**

**Physical hazards** Not Classified  
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335  
**Environmental hazards** Not Classified

##### **2.2. Label elements**

###### **Pictogram**



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

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<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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<b>Contains</b>	2-hydroxypropyl methacrylate, Ethoxylated Bisphenol A Dimethacrylate, $\alpha,\alpha$ -dimethylbenzyl hydroperoxide, maleic acid, 1-Acetyl-2-phenylhydrazine
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**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>Ethoxylated Bisphenol A Dimethacrylate</b>	<b>30-60%</b>
CAS number: 41637-38-1	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
<b>2-hydroxypropyl methacrylate</b>	<b>10-30%</b>
CAS number: 923-26-2	EC number: 213-090-3
<b>Classification</b>	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	

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<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide</b>	<b>1-5%</b>
CAS number: 80-15-9	EC number: 201-254-7
<b>Classification</b>	
Org. Perox. E - H242	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 3 - H331	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
STOT RE 2 - H373	
Aquatic Chronic 2 - H411	
<b>maleic acid</b>	<b>&lt;1%</b>
CAS number: 110-16-7	EC number: 203-742-5
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
<b>1-Acetyl-2-phenylhydrazine</b>	<b>&lt;1%</b>
CAS number: 114-83-0	
<b>Classification</b>	
Acute Tox. 3 - H301	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

#### **SECTION 4: First aid measures**

##### **4.1. Description of first aid measures**

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Remove contaminated clothing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

##### **4.2. Most important symptoms and effects, both acute and delayed**

<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
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**Eye contact** Conjunctivitis, irritation, tearing.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Specific treatments** Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable extinguishing media** Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards** In case of fire: Toxic gases or vapours.

**Hazardous combustion products** Toxic gases or vapours.

**5.3. Advice for firefighters**

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Provide adequate ventilation.

**6.2. Environmental precautions**

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely.

**6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Usage precautions** Use only in well-ventilated areas. Avoid contact with eyes and prolonged skin contact. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store at temperatures not exceeding 38°C. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from sunlight. Do not use containers made of the following materials: Aluminium. Mild steel. Copper. Rusty Steel. Tin.

**7.3. Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**B542****SECTION 8: Exposure Controls/personal protection****8.1. Control parameters****8.2. Exposure controls**

<b>Eye/face protection</b>	Wear eye protection.
<b>Hand protection</b>	Wear protective gloves made of the following material: Polyethylene. Neoprene. Nitrile rubber. Do NOT use Polyvinyl chloride (PVC). Rubber (natural, latex).
<b>Other skin and body protection</b>	Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	Provide eyewash station.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Sweetish.
<b>Odour threshold</b>	No information available.
<b>pH</b>	pH (concentrated solution): 3-6
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	> 100°C
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	-0.1 mm Hg @ 20°C
<b>Vapour density</b>	Not applicable.
<b>Solubility(ies)</b>	Miscible with the following materials: Organic solvents. Slightly soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	400-800 cps @ °C
<b>Explosive properties</b>	No information available.
<b>Oxidising properties</b>	Not available.

**9.2. Other information**

<b>Other information</b>	No information required.
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

<b>Reactivity</b>	See the other subsections of this section for further details.
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**10.2. Chemical stability**

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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**B542****10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

**10.5. Incompatible materials**

**Materials to avoid** Avoid contact with the following materials: Aluminium. Mild Steel Rusty Steel Copper Tin

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** In case of fire gases can be released Carbon dioxide (CO<sub>2</sub>).

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

**Toxicological effects** No information available.

**Acute toxicity - oral**

**ATE oral (mg/kg)** 12,946.03018648

**Acute toxicity - dermal**

**ATE dermal (mg/kg)** 110,000.0

**Acute toxicity - inhalation**

**ATE inhalation (vapours mg/l)** 300.0

**Inhalation** Irritating to respiratory system.

**Ingestion** Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**Skin contact** Irritating to skin.

**SECTION 12: Ecological Information**

**Ecotoxicity** No data on possible environmental effects have been found.

**12.1. Toxicity**

**Ecotoxicity**

**12.2. Persistence and degradability**

**Persistence and degradability** The product is more than 80% biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** Low

**Partition coefficient** No information available.

**12.4. Mobility in soil**

**Mobility** The product has poor water-solubility.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**B542****12.6. Other adverse effects**

**Other adverse effects** Not available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**General information** Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** 08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances.

**SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU legislation** 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, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical safety assessment**

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No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	06/10/2014
<b>SDS number</b>	4627
<b>Hazard statements in full</b>	H242 Heating may cause a fire. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

**WARRANTY:** All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.