

### SAFETY DATA SHEET B542

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name B542  
Container size 50ml

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

Identified uses Anerobic Sealant

##### 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  
01299 269269  
01299 269210  
sales@bondloc.co.uk

##### 1.4. Emergency telephone number

+44 (0)1299 269269 Monday - Friday 09:00-17:00 hrs

##### National Emergency Telephone Number

+44 (0)1299 269269 Mon-Fri 09:00-17:00hrs

#### SECTION 2: HAZARDS IDENTIFICATION

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

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

Physical and Chemical Hazards Not classified.  
Human health Skin Sens. 1 - H317  
Environment Not classified.

###### Classification (1999/45/EEC)

R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

##### 2.2. Label elements

Contains 2-HYDROXYPROPYL METHACRYLATE  
MALEIC ACID

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

###### Hazard Statements

H317 May cause an allergic skin reaction.

###### Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container in accordance with local regulations.

###### Supplementary Precautionary Statements

P272 Contaminated work clothing should not be allowed out of the workplace.  
P261 Avoid breathing vapour/spray.  
P321 Specific treatment (see medical advice on this label).  
P302+352 IF ON SKIN: Wash with plenty of soap and water.

**B542**P333+313  
P363If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.**2.3. Other hazards**

No data available / Not applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>1-ACETYL-2-PHENYLHYDRAZINE</b>		<b>&lt; 1%</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) Xn;R22. Xi;R36/37/38. R43.	
<b>2-HYDROXYPROPYL METHACRYLATE</b>		<b>10-30%</b>
<b>CAS-No.: 27813-02-1</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC) Xi;R36. R43.	
<b>CUMENE</b>		<b>&lt; 1%</b>
<b>CAS-No.: 98-82-8</b>	<b>EC No.: 202-704-5</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R65 Xi;R37 N;R51/53	
<b>CUMENE HYDROPEROXIDE</b>		<b>&lt; 1%</b>
<b>CAS-No.: 80-15-9</b>	<b>EC No.: 201-254-7</b>	
Classification (EC 1272/2008) Org. Perox. E - H242 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC) O;R7 T;R23 C;R34 Xn;R21/22,R48/20/22 N;R51/53	
<b>MALEIC ACID</b>		<b>&lt; 1%</b>
<b>CAS-No.: 110-16-7</b>	<b>EC No.: 203-742-5</b>	

Classification (EC 1272/2008)  
 Acute Tox. 4 - H302  
 Skin Irrit. 2 - H315  
 Eye Irrit. 2 - H319  
 Skin Sens. 1 - H317  
 STOT SE 3 - H335

Classification (67/548/EEC)  
 Xn;R22  
 Xi;R36/37/38  
 R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Move to fresh air. If symptoms persist, seek medical advice

#### **Ingestion**

Do not induce vomiting. Drink plenty of water. Beware of aspiration if vomiting occurs

#### **Skin contact**

Rinse with running water and soap Remove contaminated clothing. If skin irritation continues, consult a doctor

#### **Eye contact**

Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time

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

#### **Inhalation.**

May cause irritation to respiratory system

#### **Skin contact**

May cause Skin irritation. Allergic reactions are possible

#### **Eye contact**

No further relevant information available

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

See section: Description of first aid measures

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

Alcohol resistant foam. Carbon dioxide or dry powder.

#### **Unsuitable extinguishing media**

Direct water jets

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

#### **Hazardous combustion products**

Toxic fumes are produced in fire

#### **Specific hazards**

No further relevant information available

### 5.3. Advice for firefighters

#### **Special Fire Fighting Procedures**

Water spray should be used to cool containers.

#### **Protective equipment for fire-fighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable respiratory protection for large spillages and in confined spaces. E.g EN405 FFA2 or EN140 A2 Use eye protection such as goggles to BS EN 166 Chemical Grade.

### 6.2. Environmental precautions

Prevent entry into drains.

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

Absorb with sand or other inert absorbent. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in a suitable container for disposal in accordance with the waste regulations

### 6.4. Reference to other sections

See advice in section 8

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Use only in well ventilated areas Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation Do not eat, drink or smoke when using the product. Wash hands before work breaks and after finishing work. Good industrial hygiene practices should be observed

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

For safe storage, store at or below 38C Store in a cool, well-ventilated place Store out of direct sunlight Store in tightly closed, labelled containers. Can be stored in LDPE containers. Do not allow contact to or store in Aluminium Mild steel rusty steel copper (or alloys of) tin vessels

### 7.3. Specific end use(s)

Anaerobic Sealant

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

### Biological Limit Values

none

### 8.2. Exposure controls

#### Respiratory equipment

Use only in well ventilated areas An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area Filter type: A

#### Hand protection

Use protective gloves made of: Polyethylene. Neoprene. Nitrile. Not Suitable: Polyvinyl chloride (PVC). Rubber (natural, latex).

#### Eye protection

Wear approved safety goggles. Safety glasses (BS EN 166) with side-shields A suitable emergency eye wash station should be located near the work station

#### Skin protection

Wear apron or protective clothing in case of splashes.

## 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>	Slightly Sweet
<b>Solubility</b>	Low Solubility Miscible with: Organic solvents.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Melting point (°C)</b>	Not applicable.
<b>Vapour density (air=1)</b>	Not available.
<b>Vapour pressure</b>	-0.1 mm Hg 20
<b>Evaporation rate</b>	Not applicable.
<b>pH-Value, Conc. Solution</b>	-3-6
<b>Viscosity</b>	Not available.
<b>Decomposition temperature (°C)</b>	Not available.
<b>Odour Threshold, Lower</b>	Not available.

**Odour Threshold, Upper**

Not available.

**Flash point** >100 C**Auto Ignition Temperature (°C)**

Not available.

**Flammability Limit - Lower(%)**

Not available.

**Flammability Limit - Upper(%)**

Not available.

**Partition Coefficient****(N-Octanol/Water)**

Not determined.

**Explosive properties**

Not determined.

**Oxidising properties**

Not determined.

**9.2. Other information**

No data available / Not applicable

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Stable at normal conditions

**10.2. Chemical stability**

Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Elevated temperatures, direct sunlight, sources of ignition, low oxygen environments. Hazardous exothermic polymerisation can occur if exposed to elevated temperatures for periods of time Air Space/oxygen above the product is vital to keep formulatory inhibitors active

**10.5. Incompatible materials****Materials To Avoid**

Do not allow contact with or store in: Aluminium mild steel rusty steel copper alloys of tin

**10.6. Hazardous decomposition products**

Combustion/exothermic polymerisation will generate oxides of carbon, acrid smoke and irritating fumes

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

See section 3

**Carcinogenicity:**

Not tested, but not anticipated

**Reproductive Toxicity:**

Not tested, but not anticipated

**Inhalation**

Irritating to respiratory system.

**Ingestion**

May cause irritation to the digestive tract

**Skin contact**

Irritating to skin.

**Eye contact**

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not classified as Dangerous for the Environment by the Conventional Method as detailed in Schedule 3, Parts I and III of CHIP3 Regulations Considered to be low - due to probable biodegradability and Log Pow expected to be <3

### 12.1. Toxicity

Do not empty into drains / surface water / ground water

### 12.2. Persistence and degradability

Considered to be biodegradable - testing of one major (non-declarable) component gave a biodegradability result of 85% after 28 days

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

Expected to be low

#### Partition coefficient

Not determined.

### 12.4. Mobility in soil

#### Mobility:

Considered to be relatively low due to low water solubility

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Dispose of in accordance with local and national regulations

### 13.1. Waste treatment methods

Dispose of in accordance with local and national regulations Contribution of this product to waste is very insignificant in comparison to article in which it is used After use, tubes, cartons and bottles containing residue product should be disposed of as chemically contaminated waste in a authorised legal land fill site or incinerated Disposal must be made according to official regulations

#### Waste Class

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

## SECTION 14: TRANSPORT INFORMATION

### General

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 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 MARPOL73/78 and the IBC Code**

Not applicable.

### **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 and 2000/21/EC, including amendments. 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 with amendments.

##### **Health and Environmental Listings**

#### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

### **SECTION 16: OTHER INFORMATION**

<b>Date</b>	22/02/2013
<b>Risk Phrases In Full</b>	
R34	Causes burns.
R10	Flammable.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R7	May cause fire.
R43	May cause sensitisation by skin contact.
R23	Toxic by inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Hazard Statements In Full</b>	
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H242	Heating may cause a fire.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H335	May cause respiratory irritation.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.

#### Disclaimer

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