

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 P501	Wear protective gloves/protective clothing/eye protection/face protection. Dispose of contents/container in accordance with local regulations.
Supplementary Precautionary Statements	P272 P261 P321 P302+352	Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapour/spray. Specific treatment (see medical advice on this label). IF ON SKIN: Wash with plenty of soap and water.

B542P333+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**

1-ACETYL-2-PHENYLHYDRAZINE		< 1%
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.	
2-HYDROXYPROPYL METHACRYLATE		10-30%
CAS-No.: 27813-02-1	EC No.:	
Classification (EC 1272/2008) Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC) Xi;R36. R43.	
CUMENE		< 1%
CAS-No.: 98-82-8	EC No.: 202-704-5	
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	
CUMENE HYDROPEROXIDE		< 1%
CAS-No.: 80-15-9	EC No.: 201-254-7	
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	
MALEIC ACID		< 1%
CAS-No.: 110-16-7	EC No.: 203-742-5	

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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

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

Date	22/02/2013
Risk Phrases In Full	
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.
Hazard Statements In Full	
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.