SAFETY DATA SHEET
B243

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

1.1. Product identifier

Product name	B243
Container size	10ml bottle 25ml bottle 50ml 250ml bottle

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.

P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

2.3. Other hazards

None if used properly

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

1-ACETYL-2-PHENYLHYDRAZINE **< 1%**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	Xn;R22.
Skin Irrit. 2 - H315	Xi;R36/37/38.
Eye Irrit. 2 - H319	R43.
Skin Sens. 1 - H317	
STOT SE 3 - H335	

2-HYDROXYPROPYL METHACRYLATE **10-30%**

CAS-No.: 27813-02-1 **EC No.:**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Eye Irrit. 2 - H319	Xi;R36.
Skin Sens. 1 - H317	R43.

CUMENE **< 1%**

CAS-No.: 98-82-8 **EC No.: 202-704-5**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
STOT SE 3 - H335	Xn;R65
Asp. Tox. 1 - H304	Xi;R37
Aquatic Chronic 2 - H411	N;R51/53

MALEIC ACID **< 1%**

CAS-No.: 110-16-7 **EC No.: 203-742-5**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	Xn;R22
Skin Irrit. 2 - H315	Xi;R36/37/38
Eye Irrit. 2 - H319	R43
Skin Sens. 1 - H317	
STOT SE 3 - H335	

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 Seek immediate medical advice

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

General information

No further relevant information available

Skin contact

May cause sensitization by skin contact

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 Carbon monoxide (CO). Carbon dioxide (CO2). Nitrogen.

Specific hazards

Oxides of: Carbon. Nitrogen.

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 protective gloves, goggles and suitable protective clothing. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Prevent entry into drains.

6.3. Methods and material for containment and cleaning up

For large spills absorb onto inert absorbant material and place in sealed container for disposal .

6.4. Reference to other sections

See advice in section 8

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapour and mist Wash hands before work breaks and after finishing work. Provide good ventilation.

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 Keep away from sources of ignition Store in tightly closed, labelled containers. Can be stored in LDPE containers. Do NOT use container made of: 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 In case of intensive or longer exposure use self-contained respiratory protective device 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. 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 Blue.

Odour Slightly Sweet

Solubility Slightly soluble in water. 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 available.

pH-Value, Conc. Solution -3-5

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 applicable.
Non - Flammable

Flammability Limit - Upper(%) Not applicable.
Non - Flammable

Partition Coefficient (N-Octanol/Water)

Not known.

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

Reaction with: Oxidising agents free-radical initiators reducing metal oxides See section 7 storage

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials To Avoid

Oxidising agents free radical initiators Reducing metal oxides See section 7

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

Inhalation

Mild irritation of nose and throat

Ingestion

This material is considered to have a low toxicity if swallowed May cause irritation to the digestive tract

Skin contact

Sensitisation - not tested but not anticipated

Eye contact

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains / surface water / ground water

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 known.

12.4. Mobility in soil

Mobility:

Considered to be releatively 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 comparision 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

VOC content <3% (1999/12/EC)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Date 22/02/13

Risk Phrases In Full

R10	Flammable.
R22	Harmful 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.
R43	May cause sensitisation by skin contact.
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.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.