



SAFETY DATA SHEET B638

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

1.1. Product identifier

Product name	B638
Container size	10ml, 25ml, 50ml and 250ml bottles
UFI	UFI: F140-P03W-A00V-G6WT

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

Identified uses	Adhesive.
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1.3. Details of the supplier of the safety data sheet

Supplier	Bondloc UK Ltd Units 1 & 2 Bewdley Business Park Long Bank Bewdley Worcestershire DY12 2TZ United Kingdom +44 (0)1299 269269 +44 (0)1299 269210 sales@bondloc.co.uk
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1.4. Emergency telephone number

Emergency telephone	+44 (0)1299 269269
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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 Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word	Danger
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Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
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Precautionary statements	<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>P273 Avoid release to the environment.</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>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P312 Call a POISON CENTRE/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>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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Contains	Methacrylic acid, monoester with propane-1,2-diol, acrylic acid, α,α -dimethylbenzyl hydroperoxide, Maleic acid, 2'-phenylacetohydrazide
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2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	30-60%
CAS number: 41637-38-1 EC number: 609-946-4 REACH registration number: 01-2119980659-17-0000	
Classification Aquatic Chronic 4 - H413	
Methacrylic acid, monoester with propane-1,2-diol	10-30%
CAS number: 27813-02-1 EC number: 248-666-3 REACH registration number: 01-2119490226-37-0000	
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317	
2,4,6-Triallyloxy-1,3,5-triazine	5-10%
CAS number: 101-37-1 EC number: 202-936-7 REACH registration number: 01-2119489756-17-0000	
Classification Acute Tox. 4 - H302 Aquatic Chronic 2 - H411	

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acrylic acid 1 - <4%		
CAS number: 79-10-7	EC number: 201-177-9	
M factor (Acute) = 1		
Classification		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
α,α-dimethylbenzyl hydroperoxide 1 - <2%		
CAS number: 80-15-9	EC number: 201-254-7	REACH registration number: 01-2119475796-19-0000
Classification		
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		
cumene <1%		
CAS number: 98-82-8	EC number: 202-704-5	REACH registration number: 01-2119473983-24-XXXX
Substance with a Community workplace exposure limit.		
Classification		
Flam. Liq. 3 - H226		
STOT SE 3 - H335		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

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Maleic acid <1%		
CAS number: 110-16-7	EC number: 203-742-5	REACH registration number: 01-2119488705-25-0000
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335		
2'-phenylacetohydrazide <1%		
CAS number: 114-83-0	EC number: 204-055-3	
Classification Acute Tox. 3 - H301 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335		
ethanediol <1%		
CAS number: 107-21-1	EC number: 203-473-3	REACH registration number: 01-2119456816-28-XXXX
Substance with a Community workplace exposure limit.		
Classification Acute Tox. 4 - H302 STOT RE 2 - H373		
cyclohexane <1%		
CAS number: 110-82-7	EC number: 203-806-2	
M factor (Acute) = 1 Substance with a Community workplace exposure limit.		
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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2,6-Di-Tert-Butyl-P-Cresol (BHT)	<1%
CAS number: 128-37-0	EC number: 204-881-4
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention.
Eye contact	Rinse immediately with plenty of water. Get medical attention if symptoms are severe or persist. Continue to rinse for at least 10 minutes.

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

Skin contact	Redness.
Eye contact	Conjunctivitis, irritation, tearing.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Extinguish with the following media: Carbon dioxide (CO ₂). Foam. Water spray. Powder.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of carbon. Oxides of nitrogen. Sulphur.
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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	Avoid contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

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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. 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. Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 8°C and 21°C. Store in tightly-closed, original container in a well-ventilated place.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

cumene

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 250 mg/m³

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ethanediol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

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Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

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cyclohexane

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m³

Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m³

2,6-Di-Tert-Butyl-P-Cresol (BHT)

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

8.2. Exposure controls

Eye/face protection Wear eye protection.

Hand protection To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection Wear apron or protective clothing in case of contact.

Respiratory protection 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

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Appearance	Liquid.
Colour	Green.
Odour	Irritating.
Odour threshold	Not available.
pH	Not applicable.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	> 93°C
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.1g/cm ³
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	2500 cps @ °C
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Strong acids. Strong oxidants
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	None known.
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10.6. Hazardous decomposition products

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Hazardous decomposition products In case of fire Other toxic gases and vapours

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity - oral**

ATE oral (mg/kg) 4,654.63

Acute toxicity - dermal

ATE dermal (mg/kg) 22,394.14

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 127.55

Inhalation Irritating to respiratory system.

Ingestion May cause irritation. The product is considered to be a low hazard under normal conditions of use.

Skin contact Irritating.

Eye contact Risk of serious damage to eyes.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity**Ecotoxicity**

Toxicity Do not empty into drains/surface water/ground water

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility Not considered mobile.

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.

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 product or used containers in accordance with local regulations

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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

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 26/08/2021

Revision 4

Supersedes date 19/02/2020

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SDS number	5845
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H242 Heating may cause a fire. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. 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. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

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.

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