



## SAFETY DATA SHEET B518

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** B518  
**UFI** UFI: GR20-20RX-R00F-K35U

#### 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  
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

#### 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** Eye Irrit. 2 - H319 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 4 - H413

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

**Hazard statements** H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H413 May cause long lasting harmful effects to aquatic life.

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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>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>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>P321 Specific treatment (see medical advice on this label).</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>P501 Dispose of contents/ container in accordance with national regulations.</p>
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<b>Contains</b>	Methacrylic acid, monoester with propane-1,2-diol, Reaction mass, isoprene based polymer, 2'-phenylacetohydrazide, maleic anhydride
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### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid</b> <span style="float: right;"><b>10-30%</b></span>			
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">CAS number: 41637-38-1</td> <td style="width: 33%;">EC number: 609-946-4</td> <td style="width: 33%;">REACH registration number: 01-2119980659-17-0000</td> </tr> </table>	CAS number: 41637-38-1	EC number: 609-946-4	REACH registration number: 01-2119980659-17-0000
CAS number: 41637-38-1	EC number: 609-946-4	REACH registration number: 01-2119980659-17-0000	
<b>Classification</b> Aquatic Chronic 4 - H413			
<b>Methacrylic acid, monoester with propane-1,2-diol</b> <span style="float: right;"><b>10-30%</b></span>			
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">CAS number: 27813-02-1</td> <td style="width: 33%;">EC number: 248-666-3</td> <td style="width: 33%;">REACH registration number: 01-2119490226-37-0000</td> </tr> </table>	CAS number: 27813-02-1	EC number: 248-666-3	REACH registration number: 01-2119490226-37-0000
CAS number: 27813-02-1	EC number: 248-666-3	REACH registration number: 01-2119490226-37-0000	
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317			
<b>Reaction mass, isoprene based polymer</b> <span style="float: right;"><b>1-5%</b></span>			
<table border="0" style="width: 100%;"> <tr> <td style="width: 100%;">CAS number: 128000-08-8</td> </tr> </table>	CAS number: 128000-08-8		
CAS number: 128000-08-8			
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Chronic 3 - H412			

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<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 80-15-9	EC number: 201-254-7	REACH registration number: 01-2119475796-19-0000
<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>cumene</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 98-82-8	EC number: 202-704-5	REACH registration number: 01-2119473983-24-XXXX
Substance with a Community workplace exposure limit.		
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>2'-phenylacetohydrazide</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 114-83-0	EC number: 204-055-3	
<b>Classification</b> Acute Tox. 3 - H301 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335		
<b>ethanediol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 107-21-1	EC number: 203-473-3	REACH registration number: 01-2119456816-28-XXXX
Substance with a Community workplace exposure limit.		
<b>Classification</b> Acute Tox. 4 - H302 STOT RE 2 - H373		

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<b>cyclohexane</b>	<b>&lt;1%</b>
CAS number: 110-82-7	EC number: 203-806-2
M factor (Acute) = 1	
Substance with a Community workplace exposure limit.	
<b>Classification</b>	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>maleic anhydride</b>	<b>&lt;1%</b>
CAS number: 108-31-6	EC number: 203-571-6
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Resp. Sens. 1 - H334	
Skin Sens. 1A - H317	
STOT RE 1 - H372	
<b>2,6-Di-Tert-Butyl-P-Cresol (BHT)</b>	<b>&lt;0.1%</b>
CAS number: 128-37-0	EC number: 204-881-4
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
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

<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Skin contact</b>	Rinse immediately with plenty of water. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

**General information** The product contains a sensitising substance. Treat symptomatically.

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

**Notes for the doctor** 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

**Hazardous combustion products** Oxides of carbon. Oxides of nitrogen.

### 5.3. Advice for firefighters

**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.

**For emergency responders** Wear self-contained breathing apparatus.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

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

**Methods for cleaning up** Absorb spillage with sand or other inert absorbent. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Wear protective clothing, gloves, eye and face protection.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in tightly-closed, original container in a well-ventilated place. Store in a dry place. Do not store near heat sources or expose to high temperatures.

### 7.3. Specific end use(s)

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**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/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 250 mg/m<sup>3</sup>

Sk

###### **ethanediol**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

Sk

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m<sup>3</sup> vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m<sup>3</sup> vapour

Sk

###### **cyclohexane**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m<sup>3</sup>

###### **maleic anhydride**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 3 mg/m<sup>3</sup>

Sen

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

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Sen = Capable of causing occupational asthma.

#### 8.2. Exposure controls

##### **Protective equipment**



##### **Appropriate engineering controls**

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

##### **Eye/face protection**

Personal protective equipment for eye and face protection should comply with European Standard EN166.

##### **Hand protection**

To protect hands from chemicals, gloves should comply with European Standard EN374. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The selected gloves should have a breakthrough time of at least 8 hours. Butyl rubber.

##### **Other skin and body protection**

Wear an apron.

##### **Hygiene measures**

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

##### **Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn.

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**Environmental exposure controls** Store in a demarcated banded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Characteristic.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	> 93°C
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.1g/cm <sup>3</sup>
<b>Solubility(ies)</b>	Insoluble in water.
<b>Viscosity</b>	800,000 - 3,750,000 @ °C
<b>Explosive properties</b>	Technically not feasible.
<b>Oxidising properties</b>	Not applicable.

#### 9.2. Other information

**Other information** None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Avoid contact with strong oxidising agents. Alkalis.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** In case of fire Oxides of carbon. Oxides of nitrogen.

**B518****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity - oral**

ATE oral (mg/kg) 81,300.81

**Acute toxicity - inhalation**

ATE inhalation (vapours mg/l) 344.83

**Toxicokinetics**

No information available.

**Inhalation**

May cause respiratory irritation.

**Skin contact**

Causes skin irritation. May cause an allergic skin reaction. May cause sensitisation by skin contact. May cause skin sensitisation or allergic reactions in sensitive individuals.

**Eye contact**

Causes serious eye damage.

**Target organs**

Respiratory system, lungs

**SECTION 12: Ecological information****Ecotoxicity**

Do not discharge into drains or watercourses or onto the ground.

**12.1. Toxicity****Ecotoxicity****12.2. Persistence and degradability****Persistence and degradability** The product contains substances which are not expected to be biodegradable.**12.3. Bioaccumulative potential****Bioaccumulative potential** The product contains potentially bioaccumulating substances.**12.4. Mobility in soil****Mobility**

No data available.

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment** No data available.**12.6. Other adverse effects****Other adverse effects** No data available.**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information**

Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**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**



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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 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

#### Inventories

##### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

##### **US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

## SECTION 16: Other information

<b>Revision date</b>	23/08/2021
<b>Revision</b>	3
<b>Supersedes date</b>	18/11/2020
<b>SDS number</b>	5838

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### 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.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled.  
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.

**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.