



**SECTION 1 - Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

Product name	EX1170 BOOTKIT ADHESIVE
Product number	01-005-467
Product Code	SG1

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

Relevant identified uses	Cyanoacrylate adhesive
Uses advised against	No specific uses advised against are identified
Reasons	Not applicable

**1.3. Details of the supplier of the safety data sheet**

Company	Bailcast Limited
Address	Unit 8 Chorley North Industrial Park Chorley Lancashire PR6 7BX United Kingdom +44 (0) 1257 266 060 enquiries@bailcast.com

**1.4. Emergency telephone number**

Emergency telephone	+44 (0) 1257 266 060 08:30 – 16:00 GMT, Mon – Thur 08:30 – 15:00 GMT, Fri
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**SECTION 2 - Hazards identification**

**2.1. Classification of the substance or mixture - according to Regulation (EC 1272/2008)**

<b>Physical hazards</b>	STOT SE 3
<b>Health hazards</b>	H335 - May cause respiratory irritation H319 - Causes serious eye irritation H315 - Causes skin irritation
<b>Environmental hazards</b>	EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children
<b>Additional Information</b>	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

**2.2. Label elements - according to Regulation (EC 1272/2008)**

<b>Hazard pictograms</b>	  GHS07      GHS09
<b>Signal Word</b>	Warning
<b>Hazard statements</b>	H315 - Causes skin irritation H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
<b>Precautionary statements</b>	P261 - Avoid breathing vapours. P280 - Wear protective gloves / eye protection. P302+P352: IF ON SKIN - Wash with plenty of soap and water. P304+P340: IF INHALED - Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

**2.3. Other hazards**

<b>Other hazards</b>	According to the conventional (theoretical) method of calculation, this product should be assigned hazard class N; R51-53 Aquatic Chronic 2:- H411. However, due to the instant polymerisation on contact with water, this environmental hazard class does not apply. The product is therefore not classified as 'Dangerous for the Environment'.  This product is not identified as a PBT/vPvB substance.
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**SECTION 3 - Composition/information on ingredients**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Description of the mixture | ETHYL-2-CYANOACRYLATE  
REACH registered number | 01-2119527766-29-0012

EINECS	CAS	PBT/WEL	CLP Classification	Percent
230-391-5	7085-85-0	-	STOT SE 3 H335 - May cause respiratory irritation H319 - Causes serious eye irritation H315 - Causes skin irritation	>80%

Description of the mixture | DI-ISOPROPYLNAPHTHALENE  
REACH registered number | 01-2119565150-48-0000

EINECS	CAS	PBT/WEL	CLP Classification	Percent
254-052-6	38640-62-9	-	H304 - May be fatal if swallowed and enters airways H410 - Very toxic to aquatic life with long lasting effects	1-5%

The Full Text for all Hazard and Precautionary Statements are Displayed in Section 16.

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

<b>General information</b>	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel. P101 - If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P314 - Get medical advice/attention if you feel unwell.
<b>Skin contact</b>	P362 - Take off contaminated clothing, unless stuck to skin. P302 + P352 - IF ON SKIN: Wash with plenty of warm water and soap. <ul style="list-style-type: none"> <li>○ Do not pull bonded skin apart. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water.</li> </ul> P332 + P313 - If skin irritation occurs: Get medical advice/ attention. In the case of large spills on the skin, superficial burns may occur – treat accordingly.
<b>Eye contact</b>	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing <ul style="list-style-type: none"> <li>○ Bathe the eye with running water for 15 minutes.</li> <li>○ If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Keep eye covered with wet pad until debonding is complete, usually 1-3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids debonding).</li> </ul> P315 - Get immediate medical advice/attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage.
<b>Ingestion</b>	P301 + P330 - IF SWALLOWED: rinse mouth. <ul style="list-style-type: none"> <li>○ The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.</li> <li>○ Ensure breathing passages are not obstructed.</li> <li>○ Saliva will separate the solidified product from the mouth over a period of hours.</li> </ul> P315 - Get immediate medical advice/attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
<b>Skin contact</b>	Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.
<b>Eye contact</b>	Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.
<b>Delayed/immediate effects</b>	Immediate effects can be expected after short-term exposure

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

<b>Notes for the doctor</b>	Treat symptomatically
<b>Special treatments</b>	Eye bathing equipment should be available on the premises



**SECTION 5 – Firefighting measures**

**5.1. Extinguishing media**

**Suitable media** | Carbon dioxide. Dry chemical powder. Alcohol resistant foam. Use water spray to cool containers.

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

**Specific hazards** | In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Special protective equipment for firefighters** | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.



**SECTION 6 – Accidental release measures**

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

<b>Personal precautions</b>	P380 - Evacuate area <ul style="list-style-type: none"><li>○ If outside do not approach from downwind.</li><li>○ If outside keep bystanders upwind and away from danger point.</li><li>○ Mark out the contaminated area with signs and prevent access to unauthorised personnel.</li><li>○ Turn leaking containers leak-side up to prevent the escape of liquid.</li></ul> Refer to section 8 of SDS for personal protection details.
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**6.2. Environmental precautions**

<b>Environmental precautions</b>	P273 – Avoid release to the environment. Do not discharge into drains or rivers. Contain the spillage using bunding
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**6.3. Methods and material for containment and cleaning up**

<b>For containment</b>	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
<b>For cleaning up</b>	P390 - Absorb spillage to prevent material damage <ul style="list-style-type: none"><li>○ Use dry earth or sand (do not use cloths), or</li><li>○ Polymerise slowly with water (~10:1, adhesive : water) and then scrape up.</li></ul>
<b>Other information</b>	Not Applicable

**6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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**SECTION 7 – Handling and storage**

**7.1. Precautions for safe handling**

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. P233 - Keep container tightly closed.
<b>Advice on general occupational hygiene</b>	P271 - Use only outdoors or in a well-ventilated area. Avoid direct contact with the substance. Do not handle in a confined space. Prevent contact with water. Ambient humidity should be >35% to minimise discomfort.

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

<b>Storage precautions</b>	P403 + P235 + P410 - Store in a well-ventilated place. Keep cool. Protect from sunlight P233 - Keep container tightly closed P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Refrigerated storage (2 - 8°C) is recommended for optimum shelf-life.
<b>Suitable packaging</b>	P234 - Keep only in original container

**7.3. Specific end use(s)**

<b>Specific end uses</b>	PC1: Adhesives, sealants
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**SECTION 8 – Exposure controls/personal protection**
**8.1. Control parameters**

Description of the mixture | ETHYL-2-CYANOACRYLATE  
 REACH registered number | 01-2119527766-29-0012

State	Workplace Exposure Limits:		Respirable Dust:	
	8-hour TWA	15 min STEL	8-hour TWA	15 min STEL
UK	--	1.5 mg/m <sup>3</sup>	--	--

Description of the mixture | HYDROQUINONE  
 REACH registered number | 01-2119524016-51

State	Workplace Exposure Limits:		Respirable Dust:	
	8-hour TWA	15 min STEL	8-hour TWA	15 min STEL
UK	0.5 mg/m <sup>3</sup>	--	--	--

**DNEL/PNEC** | No data available

**8.2. Exposure controls**

**Engineering measures** | Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection** | If WEL is likely to be exceeded, respiratory protective equipment will be needed. Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection** | Nitrile gloves. Viton gloves. > 0,5 mm (suitable gloves tested to EN374). Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc) is noticed.

**Eye protection** | Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection** | Protective clothing.



**SECTION 9 – Physical and Chemical Properties**
**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	
<b>Colour</b>	Black	
<b>Odour</b>	Acrid	
<b>pH</b>	No applicable	
<b>Melting point/range °C</b>	Not applicable	
<b>Initial boiling point/range °C</b>	>150°C	
<b>Flash point</b>	>93°C	
<b>Evaporation rate</b>	Negligible	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability or explosive limits</b>	<b>Lower</b>   Not applicable	<b>Upper</b>   Not applicable
<b>Vapour pressure</b>	~0.04mmHg at 25°C	
<b>Vapour density</b>	No data available	
<b>Relative density</b>	1.08	
<b>Solubility(ies)</b>	Reacts with water. Also soluble in Acetone	
<b>Partition coefficient</b>	n-octanol/water Est. <1	
<b>Auto-ignition temperature</b>	No data available	
<b>Decomposition Temperature</b>	No data available	
<b>Viscosity</b>	<b>Dynamic</b>   Viscous	<b>Kinematic</b>   ~1500cPs
<b>Explosive properties</b>	None	
<b>Oxidising properties</b>	Non-oxidising (by EC criteria)	
<b>VOC g/l</b>	No data available	



**SECTION 10 – Stability and reactivity**

**10.1. Reactivity**

**Reactivity** | Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability** | Stable under normal conditions. Polymerises rapidly with water.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions** | Hazardous reactions will not occur under normal transport or storage conditions.  
Polymerisation may occur on exposure to conditions or materials listed below.  
Polymerisation can be rapid.

**10.4. Conditions to avoid**

**Conditions to avoid** | Heat. Direct sunlight. Moist air. Humidity.

**10.5. Incompatible materials**

**Materials to avoid** | Water, Alkalis, Amines, Alcohols, Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** | In combustion emits toxic fumes of: Carbon dioxide / Carbon monoxide and Nitrogen oxides.

**SECTION 11 – Toxicological information**
**11.1. Information on toxicological effects**

<b>Hazardous Ingredients</b>		ETHYL-2-CYANOACRYLATE		
<b>REACH registered number</b>		01-2119527766-29-0012		
ORL	RAT	LD50	>5	ml/kg

<b>Hazardous Ingredients</b>		DI-ISOPROPYLNAPHTHALENE		
<b>REACH registered number</b>		01-2119565150-48		
ORL	RAT	LD50	3900	mg/kg

<b>Non - Classified Ingredients</b>		HYDROQUINONE		
<b>REACH registered number</b>		01-2119524016-51		
ORL	MUS	LD50	150	mg/kg
ORL	RAT	LD50	720	mg/kg
SCU	RAT	LDLO	300	mg/kg

**Relevant Hazards of Product**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: Calculated
Serious eye damage/irritation	OPT	Hazardous: Calculated
STOT – Single exposure	INH	Hazardous: Calculated

**General information**

<b>Inhalation</b>	There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.
<b>Skin contact</b>	Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.
<b>Eye contact</b>	Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.
<b>Delayed/immediate effects</b>	Immediate effects can be expected after short-term exposure



**SECTION 12 – Ecological Information**

**12.1. Toxicity**

Toxicity	No data available.
Ecotoxicity	Considered to be very low due to rapid polymerisation with water.

**12.2. Persistence and degradability**

Persistence and degradability	No data available.
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**12.3. Bio accumulative potential**

Bio accumulative potential	No bio-accumulation potential.
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**12.4. Mobility in soil**

Mobility	Considered to be very low due to rapid polymerisation with water. Non-volatile.
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**12.5. Results of PBT and vPvB assessment**

PBT identification	This product is not identified as a PBT/vPvB substance.
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**12.6. Other adverse effects**

Other adverse effects	Negligible ecotoxicity.
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**SECTION 13 – Disposal considerations****13.1. Waste treatment methods - Directive 2008/98/EC (Waste Framework Directive)**

<b>General information</b>	Check existence of regional or national regulations regarding disposal.
<b>Disposal methods</b>	Transfer to a suitable container and arrange for collection by specialised disposal company. Or polymerise slowly with water (10:1, adhesive : water). Hardened product can be disposed of in land-fill sites by licensed contractors.
<b>Waste code number</b>	08 04 09
<b>Disposal of packaging</b>	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**SECTION 14 – Transport information**
**14.1. UN number**

UN number | UN3334

**14.2. UN proper shipping name**

Shipping name | Aviation Regulated Liquid, n.o.s (ETHYL-2-CYANOACRYLATE)

**14.3. Transport hazard class(es)**

Transport class | Class 9

Hazard label(s) |


**14.4. Packing group**

Packing group | III

**14.5. Environmental hazards**

Environmentally hazardous | No

Marine pollutant | No

**14.6. Special precautions for user**

Special precautions | None

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable

Additional information | Not applicable

**SECTION 15 – Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	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) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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**

**Chemical safety assessment** | Has not been carried out for the substance or the mixture by the supplier.

**Inventories**

<b>US - TSCA</b>	None of the ingredients are listed or exempt
<b>12(b) Export Notification</b>	None of the ingredients are listed or exempt

**SECTION 16 – Other information**

<b>Other information</b>	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830 - The Classification, Labelling and Packaging Regulations (The "CLP" Regulations) Some information in this datasheet was sourced from third parties including: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> UNECE, <a href="http://www.unece.org/">http://www.unece.org/</a>
<b>Abbreviations and acronyms</b>	EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). LDLO: Lowest Lethal Dose Tested PBT: Persistent, Bio accumulative and Toxic substance. vPvB: Very Persistent and Very Bio accumulative.
<b>Training advice</b>	Only trained personnel should use this material.
<b>Supersedes date</b>	05/06/2018
<b>SDS number</b>	4630
<b>Hazard statements in full</b>	H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H341: Suspected of causing genetic defects. H351: Suspected of causing cancer. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
<b>Legal disclaimer</b>	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.