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

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
UFI Code	EUR2-00VJ-V00W-WUJ3

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 07:30 – 16:00 GMT, Mon – Thur

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

SECTION 2 - Hazard identification

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

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

Hazard pictograms



GHS07



GHS09

Signal Word	Warning
Hazard statements	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.
Precautionary statements	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

Other hazards	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.

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

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.

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

SECTION 4 – First aid measures

4.1. Description of first aid measures

General information	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.
Inhalation	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P314 - Get medical advice/attention if you feel unwell.
Skin contact	P362 - Take off contaminated clothing, unless stuck to skin. P302 + P352 - IF ON SKIN: Wash with plenty of warm water and soap. o Do not pull bonded skin apart. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water. 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.
Eye contact	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing o Bathe the eye with running water for 15 minutes. o 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). P315 - Get immediate medical advice/attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage.
Ingestion	P301 + P330 - IF SWALLOWED: rinse mouth. o The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. o Ensure breathing passages are not obstructed. o Saliva will separate the solidified product from the mouth over a period of hours. P315 - Get immediate medical advice/attention.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Skin contact	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.
Eye contact	Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.
Ingestion	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.
Delayed/immediate effects	Immediate effects can be expected after short-term exposure

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

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

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

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.

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

SECTION 6 – Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	P380 - Evacuate area o If outside do not approach from downwind. o If outside keep bystanders upwind and away from danger point. o Mark out the contaminated area with signs and prevent access to unauthorised personnel. o Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions	P273 – Avoid release to the environment. Do not discharge into drains or rivers. Contain the spillage using bunding

6.3. Methods and material for containment and cleaning up

For containment	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
For cleaning up	P390 - Absorb spillage to prevent material damage o Use dry earth or sand (do not use cloths), or o Polymerise slowly with water (~10:1, adhesive : water) and then scrape up.
Other information	Not Applicable

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.

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

SECTION 7 – Handling and storage

7.1. Precautions for safe handling

Usage precautions	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.
Advice on general occupational hygiene	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

Storage precautions	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.
Suitable packaging	P234 - Keep only in original container

7.3. Specific end use(s)

Specific end uses	PC1: Adhesives, sealants

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

SECTION 8 – Exposure controls/personal protection

8.1. Control parameters

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

	Workplace Exposure Limits:		Respirable Dust:	
State	**8-hour TWA**	**15 min STEL**	**8-hour TWA**	**15 min STEL**
UK	--	1.5 mg/m3	--	--

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

	Workplace Exposure Limits:		Respirable Dust:	
State	**8-hour TWA**	**15 min STEL**	**8-hour TWA**	**15 min STEL**
UK	0.5 mg/m3	--	--	--

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.

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

SECTION 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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

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

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.

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

SECTION 11 – Toxicological information

11.1. Information on toxicological effects

Hazardous Ingredients	ETHYL-2-CYANOACRYLATE
REACH registered number	01-2119527766-29-0012

ORL	RAT	LD50	>5	ml/kg

Hazardous Ingredients	DI-ISOPROPYLNAPHTHALENE
REACH registered number	01-2119565150-48

ORL	RAT	LD50	3900	mg/kg

Non - Classified Ingredients	HYDROQUINONE
REACH registered number	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	
Inhalation	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.
Skin contact	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.
Eye contact	Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.
Ingestion	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.
Delayed/immediate effects	Immediate effects can be expected after short-term exposure

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

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.

12.3. Bio accumulative potential

Bio accumulative potential	No bio-accumulation potential.

12.4. Mobility in soil

Mobility	Considered to be very low due to rapid polymerisation with water. Non-volatile.

12.5. Results of PBT and vPvB assessment

PBT identification	This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects	Negligible ecotoxicity.

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

SECTION 13 – Disposal considerations

13.1. Waste treatment methods - Directive 2008/98/EC (Waste Framework Directive)

General information	Check existence of regional or national regulations regarding disposal.
Disposal methods	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.
Waste code number	08 04 09
Disposal of packaging	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

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

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

SECTION 15 – Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	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.
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) (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

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

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

SECTION 16 – Other information

Other information	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, http://echa.europa.eu/ UNECE, http://www.unece.org/
Abbreviations and acronyms	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.
Training advice	Only trained personnel should use this material.
Supersedes date	05/06/2018
SDS number	4630
Hazard statements in full	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.
Legal disclaimer	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.