SAFETY DATA SHEET

BACT

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 BACT

Container size 200ml, 400ml

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

Identified uses Activator.

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	Aerosol 1 - H222, H229
Health hazards	Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram

Danger

Signal word

BACT

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H315 Causes skin irritation.

H332 Harmful if inhaled.

Precautionary statements

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

Contains

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/ container in accordance with national regulations.

Naphtha (Petroleum) Hydrotreated Light (Low Boiling Point), N,N-dimethyl-p-toluidine

Supplementary precautionary statements P102 Keep out of reach of children.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

30-60%

3.2. Mixtures

Naphtha (Petroleum) Hydrotreated Light (Low Boiling Point)

CAS number: 64742-49-0 EC number: 265-151-9

Classification

Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

butane **10-30%**

CAS number: 106-97-8 EC number: 203-448-7

Classification

Flam. Gas 1 - H220

BACT	
N,N-dimethyl-p-toluidine	**<1%**
CAS number: 99-97-8 EC number: 202-805-4	

Classification

Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT RE 2 - H373
Aquatic Chronic 3 - H412

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air at once.

Inhalation Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion Do not induce vomiting. Rinse mouth. Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

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

General information

Ingestion

Inhalation

Skin contact	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Eye contact	May cause respiratory system irritation. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. May cause irritation. Prolonged skin contact may cause redness and irritation. May irritate eyes. Prolonged contact may cause redness and/or tearing.

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	Extinguish with foam, carbon dioxide or dry powder.
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

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Specific hazards	Thermal decomposition or combustion products may include the following substances: Carbon oxides and other toxic gases or vapours Extremely flammable. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
Hazardous combustion products	Irritating gases or vapours. Toxic gases or vapours. Highly flammable gases or vapours.

5.3. Advice for firefighters

	Use water spray to reduce vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
Special protective equipment for firefighters	

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Eliminate all sources of ignition. Provide adequate ventilation.

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

Provide adequate ventilation. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray/mists. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

Advice on general

Good personal hygiene procedures should be implemented.

occupational hygiene

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Flammable/combustible materials. Do not store near heat sources or expose to high temperatures. Keep container tightly closed, in a cool, well ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Specific end use(s)

SECTION 8: Exposure Controls/personal protection

BACT

8.1. Control parameters

Occupational exposure limits

butane

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³
WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Wear chemical splash goggles.
Hand protection	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear protective clothing.
Hygiene measures	Provide eyewash station. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.
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

Appearance	Aerosol.
Colour	Clear.
Odour	Characteristic.
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	< -40°C
Evaporation rate	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8% Upper flammable/explosive limit: 9.5%
	Not applicable.
Vapour pressure	No information available.
Vapour density	Not applicable.
Solubility(ies)	Not available.
Partition coefficient	440-580°C
Auto-ignition temperature	

BACT

Decomposition Temperature	No information available.
Viscosity	<1 cps @ 25°C
Explosive properties	No information available.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 603.3 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Exothermic reaction with: cyanoacrylates

10.2. Chemical stability

Stability	Highly volatile

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Do not pierce or burn, even after use.

Conditions to avoid	
10.5. Incompatible materials	Keep away from flammable and combustible materials. No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Materials to avoid	

10.6. Hazardous decomposition products

Hazardous decomposition products	

Heating may generate the following products: Carbon dioxide (CO2). Carbon monoxide (CO). Other toxic gases and vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	33,333.33333333

Acute toxicity - dermal

ATE dermal (mg/kg)	100,000.0

Acute toxicity - inhalation	1.5

ATE inhalation (dusts/mists mg/l)	May damage fertility.

Reproductive toxicity

Reproductive toxicity - fertility	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

General information	Vapours may cause headache, fatigue, dizziness and nausea. Inhalation of vapour or mist may cause lung oedema. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Inhalation

BACT

Ingestion	Drowsiness, dizziness, disorientation, vertigo. Narcotic effect. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Skin contact	Irritating to skin. Prolonged or repeated exposure may cause severe irritation.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	Narcotic effect.
Route of exposure	Inhalation Skin absorption
Target organs	Central nervous system Respiratory system, lungs

Toxicological information on ingredients.

Naphtha (Petroleum) Hydrotreated Light (Low Boiling Point)

Acute toxicity - inhalation	
ATE inhalation (gases ppm)	4,500.0
ATE inhalation (vapours mg/l)	11.0
ATE inhalation (dusts/mists mg/l)	1.5

SECTION 12: Ecological Information

Ecotoxicity	The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Ecotoxicity

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Not available.

Partition coefficient

12.4. Mobility in soil The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface. The product contains volatile substances which may spread in the atmosphere.

Mobility

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 None known.

Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

BACT

Disposal methods Do not puncture or incinerate, even when empty.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name AEROSOLS

(ADR/RID)

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class **ADN class**

ADR/RID classification code

ADR/RID label

IMDG class

ICAO class/division

2.1	2.1
5F	2.1
2.1	2.1

Transport labels

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

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

SECTION 15: Regulatory information

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

BACT

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).
	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).
	Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Revision date	03/10/2014
SDS number	4593
Hazard statements in full	H220 Extremely flammable gas.
	H222 Extremely flammable aerosol.
	H225 Highly flammable liquid and vapour.
	H229 Pressurised container: may burst if heated.
	H301 Toxic if swallowed.
	H304 May be fatal if swallowed and enters airways.
	H311 Toxic in contact with skin.
	H315 Causes skin irritation.
	H331 Toxic if inhaled.
	H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H340 May cause genetic defects.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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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