SAFETY DATA SHEET
Bridgebond™ ¼ Litre & 1 Litre Part A

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

1.1. Product identifier

Product name	Bridgebond™ ¼ Litre & 1 Litre Part A
Product number	2000A-105, 2000A-156, 2000A-511
REACH registration notes	All chemicals used in this product have been registered under REACH where required.

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

Identified uses	Adhesive.
Uses advised against	Flexible PVC due to the risk of plasticiser migration

1.3. Details of the supplier of the safety data sheet

Supplier	Bridge Rubber & Plastics Ltd Smith's Quay, Hazel Road Woolston Southampton SO19 7GB Tel: 0044(0)23 80434646 Fax: 0044(0)23 80437978 Email: info@bridgerubber.co.uk

1.4. Emergency telephone number

Emergency telephone	44 (0) 23 80434646 (Available 08.30 to 16.30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Human health	Contains a substance/a group of substances which may damage the unborn child.
Environmental	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Physicochemical	The product is highly flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram

Bridgebond™ ¼ Litre & 1 Litre Part A

Signal word	Danger
Hazard statements	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains ROSIN. May produce an allergic reaction.
Precautionary statements	P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P314 Get medical advice/ attention if you feel unwell. P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Contains	TOLUENE, HEPTANE, BUTANONE
Supplementary precautionary statements	P201 Obtain special instructions before use. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P260 Do not breathe 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. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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. P308+P313 IF exposed or concerned: Get medical advice/ attention. 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. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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TOLUENE		30-40%
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304

HEPTANE		20-35%
CAS number: 142-82-5	EC number: 205-563-8	REACH registration number: 01-2119475515-33
M factor (Acute) = 1	M factor (Chronic) = 1	

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

BUTANONE		10-20%
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

ZINC OXIDE		<1%
CAS number: 1314-13-2	EC number: 215-222-5	
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

ROSIN		<1%
CAS number: 8050-09-7	EC number: 232-475-7	

Classification
Skin Sens. 1 - H317

6.6 -di- tert- butyl-2,2-methylenedi-p-cresol	<1%
CAS number: 119-47-1 EC number: 204-327-1	
Classification Repr. 2 - H361f Aquatic Chronic 4 - H413	

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

Composition comments	Polychloroprene based adhesive in petroleum solvent
Chemical Nature	
chemical nature	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air at once. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

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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

Specific hazards	Heating may generate flammable vapours. The product is highly flammable. Vapours may form explosive mixtures with air. Vapours may accumulate on the floor and in low-lying areas.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO_2). Hydrogen chloride (HCl).

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
For non-emergency personnel	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
For emergency responders	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent.

6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid inhalation of vapours/spray and contact with skin and eyes.
Advice on general occupational hygiene	Wash promptly with soap and water if skin becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 25°C.

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Storage class	Flammable liquid storage.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

TOLUENE

Long-term exposure limit (8-hour TWA): 50 191
Short-term exposure limit (15-minute): 100 384

HEPTANE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 2085 mg/m³

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m3(Sk)

ZINC OXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

ROSIN

Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³
Short-term exposure limit (15-minute): WEL 0.15 mg/m³
WEL = Workplace Exposure Limit

TOLUENE (CAS: 108-88-3)

DNEL	Consumer - Oral; Long term systemic effects: 8.13 mg/m³ Industry - Dermal; Long term systemic effects: 384 mg/kg/day Consumer - Inhalation; Short term local effects: 226 mg/m³ Consumer - Inhalation; Short term systemic effects: 226 mg/m³ Industry - Inhalation; Short term systemic effects: 384 mg/m³ Industry - Inhalation; Short term local effects: 384 mg/m³ Industry - Inhalation; Long term local effects: 192 mg/m³ Consumer - Inhalation; Long term systemic effects: 56.5 mg/m³ Industry - Inhalation; Long term systemic effects: 192 mg/m³
PNEC	- Fresh water; 0.68 mg/l - Sediment (Freshwater); 16.39 mg/kg - STP; 13.61 mg/l - Soil; 2.89 mg/kg

HEPTANE (CAS: 142-82-5)

DNEL	Consumer - Oral; Long term systemic effects: 148 mg/kg/day Consumer - Dermal; Long term systemic effects: 149 mg/kg/day Industry - Dermal; Long term systemic effects: 300 mg/kg/day Consumer - Inhalation; Long term systemic effects: 447 mg/m³ Industry - Inhalation; Long term systemic effects: 2085 mg/m³

BUTANONE (CAS: 78-93-3)

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DNEL	Consumer - Oral; Long term systemic effects: 31 mg/kg/day Consumer - Dermal; Long term systemic effects: 412 mg/kg/day Industry - Dermal; Long term systemic effects: 1161 mg/kg/day Consumer - Inhalation; Long term systemic effects: 106 mg/m³ Industry - Inhalation; Long term systemic effects: 600 mg/m³
PNEC	- Fresh water; 55.8 mg/l - marine water; 55.8 mg/l - Intermittent release; 55.8 mg/l - STP; 709 mg/l - Sediment (Marinewater); 284.7 mg/kg - Soil; 22.5 mg/kg - Sediment (Freshwater); 284.7 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. 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	Wear chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Wear protective gloves made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 6 hours. 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. When used with mixtures, the protection time of gloves cannot be accurately estimated.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
Thermal hazards	Contact with hot product can cause serious thermal burns.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance	Liquid.
Colour	Cream.
Odour	Organic solvents.
Odour threshold	Not determined.
pH	Not available.
Melting point	Not applicable.
Flash point	- 5°C Closed cup.
Evaporation rate	Not available.
Evaporation factor	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 Upper flammable/explosive limit: 11.5
Vapour pressure	Not available. Not available. 0.887 @ 20°C Not applicable. Not determined. Insoluble in water. Soluble in the following materials: Organic solvents. Not determined. Not determined. Not determined. 1600- - 2000 cP @ 23°C Not determined. Not determined. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Vapour density	
Relative density	
Bulk density	
Solubility(ies)	
Partition coefficient	
Auto-ignition temperature	
Decomposition Temperature	
Viscosity	
Explosive properties	
Oxidising properties	
Comments	

9.2. Other information

Refractive index	Not applicable.
Particle size	Not available.
Molecular weight	Not applicable.
Volatility	Highly volatile.
Saturation concentration	Not available.
Critical temperature	Not determined.
Volatile organic compound	This product contains a maximum VOC content of 665 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral	
Notes (oral LD_{50})	Not determined.
Acute toxicity - dermal	
Notes (dermal LD_{50})	Not determined.
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	Not determined.
Skin corrosion/irritation	
Human skin model test	
Extreme pH	Not determined.
Serious eye damage/irritation	Not determined.
Serious eye damage/irritation	Not determined.
General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. May cause damage to organs through prolonged or repeated exposure if inhaled. Contains a substance/a group of substances which may damage the unborn child. Avoid contact during pregnancy/while nursing.
Inhalation	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure if inhaled.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin.
Eye contact	May cause severe eye irritation.
Acute and chronic health hazards	Contains a substance/a group of substances which may damage the unborn child.
Route of exposure	Inhalation Skin and/or eye contact

Toxicological information on ingredients.

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TOLUENE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	4,328.0
Species	Rat
ATE oral (mg/kg)	4,328.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	6,000.0
Species	Rabbit
ATE dermal (mg/kg)	6,000.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	21.0
Species	Rat
ATE inhalation (vapours mg/l)	21.0

HEPTANE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,500.0
Species	Rat
ATE oral (mg/kg)	2,500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Rabbit
ATE dermal (mg/kg)	2,500.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	56.0
Species	Rat
ATE inhalation (vapours mg/l)	56.0

BUTANONE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,193.0

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Species	Rat
ATE oral (mg/kg)	2,193.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,050.0
Species	Rabbit
ATE dermal (mg/kg)	5,050.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	5,000.0
Species	Rat
ATE inhalation (vapours mg/l)	5,000.0

6.6 -di- tert- butyl-2,2-methylenedi-p-cresol

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	11,000.0
Species	Rat
ATE oral (mg/kg)	11,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit

SECTION 12: Ecological information

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	Not determined.
Short term toxicity - embryo and sac fry stages	Not determined.

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Chronic toxicity - aquatic invertebrates	Not determined.

Ecological information on ingredients.

TOLUENE

Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: 13 mg/l, Carassius auratus (Goldfish) LC50, 96 hours: 24 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 12 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	NOEC, : 29 mg/l, Activated sludge

HEPTANE

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 1-10 mg/l, Fish
Chronic aquatic toxicity	
M factor (Chronic)	1

BUTANONE

Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: 2993 mg/l, Pimephales promelas (Fat-head Minnow) LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 308 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 96 hours: 2029 , Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC_{50}, 96 hours: > 50 mg/l, Activated sludge

ZINC OXIDE

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 1.1 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 1000 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	IC_{50}, 72 hours: 0.1- 1 mg/l, Algae
Chronic aquatic toxicity	
M factor (Chronic)	1

6.6 -di- tert- butyl-2,2-methylenedi-p-cresol

Acute aquatic toxicity	
Acute toxicity - fish	LC50, 48 hours: > 500 mg/l, Oryzias latipes (Red killifish) LC_{50}, 96 hours: > 50 mg/l, Fish
Acute toxicity - microorganisms	EC_{50}, >: > 1,000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability	The product is expected to be slowly biodegradable.
Phototransformation	Not relevant.
Stability (hydrolysis)	Not determined.
Biodegradation	Not determined.
Biological oxygen demand	Not determined.
Chemical oxygen demand	Not determined.

Ecological information on ingredients.

TOLUENE

Persistence and degradability	The product is readily biodegradable.
Biodegradation	- Degradation (%) 86: 20 days readily biodegradable
Biological oxygen demand	1.23 g O_2/g substance

BUTANONE

Persistence and degradability	The product is biodegradable.
Biodegradation	Water - Degradation (%) 98: 28 days readily biodegradable

6.6 -di- tert- butyl-2,2-methylenedi-p-cresol

Biodegradation	- Degradation (%) 0: 28 days Not readily biodegradeable

12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not determined.

Ecological information on ingredients.

TOLUENE

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Bioaccumulative potential	The product is not bioaccumulating. BCF: ,

BUTANONE

Bioaccumulative potential	The product is not bioaccumulating.

6.6 -di- tert- butyl-2,2-methylenedi-p-cresol

Bioaccumulative potential	BCF: 4597,
Partition coefficient	log Pow: 6.25

12.4. Mobility in soil

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
Adsorption/desorption coefficient	Not determined.
Henry's law constant	Not determined.
Surface tension	Not determined.

Ecological information on ingredients.

TOLUENE

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

BUTANONE

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

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.

Ecological information on ingredients.

TOLUENE

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

HEPTANE

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

BUTANONE

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 known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste liquid components should be suitable for incineration at an approved facility.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES (HEPTANE)
Proper shipping name (IMDG)	ADHESIVES (HEPTANE)
Proper shipping name (ICAO)	ADHESIVES (HEPTANE)
Proper shipping name (ADN)	ADHESIVES (HEPTANE)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

Transport labels

14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	•3YE

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Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

National regulations	Control of Pollution Act 1974. Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended). EH40/2005 Workplace exposure limits.
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). 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). Safety Data Sheets for Substances and Preparations.
Guidance	No specific authorisations are known for this product.
Authorisations (Title VII Regulation 1907/2006)	
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Bridgebond™ ¼ Litre & 1 Litre Part A

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. GHS: Globally Harmonized System. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. Kow: Octanol-water partition coefficient. LC_{50}: Lethal Concentration to 50 % of a test population. LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern. vPvB: Very Persistent and Very Bioaccumulative. IARC: International Agency for Research on Cancer. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. cATpE: Converted Acute Toxicity Point Estimate. BCF: Bioconcentration Factor. EC_{50}: 50% of maximal Effective Concentration. LOAEC: Lowest Observed Adverse Effect Concentration. LOAEL: Lowest Observed Adverse Effect Level. NOAEC: No Observed Adverse Effect Concentration. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. LOEC: Lowest Observed Effect Concentration. DMEL: Derived Minimal Effect Level. UN: United Nations. IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
Key literature references and sources for data	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
Revision comments	
Revision date	23/03/2026
Revision	14
Supersedes date	09/01/2020

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Hazard statements in full

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
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.
H413 May cause long lasting harmful effects to aquatic life.
EUH208 Contains ROSIN. May produce an allergic reaction.