Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended S.I. 2019 No. 758

SAFETY DATA SHEET

DURAT Surface Adhesive - Part A

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

1.1. Product identifier

Trade name: DURAT Surface Adhesive - Part A

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

Relevant identified uses of the substance or mixture: Adhesive

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Forgeway Ltd
Unit 3 Exeter Logistics Park
Werstan Road,
EX5 2GB Clyst - Honiton, Exeter
England
www.forgeway.com

Contact person: Technical Department

E-mail: Aaron.hughes@forgeway.com

Revision: 04/05/2023

SDS Version: 1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Sol. 1; H228, Flammable solid.
Skin Irrit. 2; H315, Causes skin irritation.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H335, May cause respiratory irritation.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s):

Signal word: Danger

Hazard statement(s):

Flammable solid. (H228)
Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)
May cause respiratory irritation. (H335)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statements:

General: -

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Wear eye protection. (P280)
Avoid breathing dust. (P261)

	Wash hands thoroughly after handling. (P264) Avoid release to the environment. (P273)
Response:	In case of fire: Use alcohol-resistant foam/dry chemical/dry sand to extinguish. (P370+P378)
Storage:	-
Disposal:	Dispose of contents/container in accordance with local regulation. (P501)
Hazardous substances:	methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate 2-(2H-benzotriazol-2-yl)-p-cresol 2-(N-methyl-p-toluidino)ethanol
Additional labelling:	EUH212, Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

2.3. Other hazards

Additional warnings: Dust from flammable solids can be explosive, even if they are not hazardous substances.
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate	CAS No.: 80-62-6 EC No.: 201-297-1 UK-REACH: Index No.: 607-035-00-6	60-80%	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1]
2-(2H-benzotriazol-2-yl)-p-cresol	CAS No.: 2440-22-4 EC No.: 219-470-5 UK-REACH: Index No.:	1-3%	Skin Sens. 1B, H317 Aquatic Chronic 1, H410 (M=1)	
methacrylic acid;2-methylpropenoic acid	CAS No.: 79-41-4 EC No.: 201-204-4 UK-REACH: Index No.: 607-088-00-5	1-3%	Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335	
Propylidynetrimethyl trimethacrylate	CAS No.: 3290-92-4 EC No.: 221-950-4 UK-REACH: Index No.:	1-3%	Aquatic Chronic 2, H411	
2-(N-methyl-p-toluidino)ethanol	CAS No.: 2842-44-6 EC No.: 220-638-5 UK-REACH: Index No.:	<1%	Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	CAS No.: 52829-07-9 EC No.: 258-207-9	<1%	Eye Dam. 1, H318 Repr. 2, H361f	

	UK-REACH: Index No.:		Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact:	IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
Ingestion:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Burns:	Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: 1Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it.
Ensure sufficient ventilation.
Avoid direct contact with spilled substances.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up
Cleaning up the material must be done only with squeegees or soft natural bristle brushes. Scoops used to pick up the material must be conductive and non-sparking. Synthetic bristle brushes and plastic or other non-conductive scoops must not be used, since they tend to accumulate strong static charges.
Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Keep all containers sealed except when opened for removal of material. Reseal containers immediately after each use to prevent contamination or, in the case of pastes, loss of solvent.
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:
1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Keep all containers sealed except when opened for removal of material. Reseal containers immediately after each use to prevent contamination or, in the case of pastes, loss of solvent.

The use of an inert gas to replace air can greatly increase the safety of many operations, particularly where it may be impossible to ensure that all sources of ignition are eliminated.
Powder trickling out onto the floor or onto other containers must be prevented.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material:	Always store in containers of the same material as the original container.
Storage temperature:	5 - 30°C Dry, cool and well ventilated
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 208
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m³): 416

methacrylic acid;2-methylpropenoic acid
Long term exposure limit (8 hours) (ppm): 20
Long term exposure limit (8 hours) (mg/m³): 72
Short term exposure limit (15 minutes) (ppm): 40
Short term exposure limit (15 minutes) (mg/m³): 143

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

2-(2H-benzotriazol-2-yl)-p-cresol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	1.2 mg/kg
Long term – Systemic effects - Workers	Dermal	2.5 mg/kg
Long term – Systemic effects - Workers	Inhalation	1 mg/m³
Long term – Systemic effects	Oral	1.2 mg/kg

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	900 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	1.8 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	310 µg/m³
Long term – Systemic effects - Workers	Inhalation	1.27 mg/m³
Long term – Systemic effects - General population	Oral	180 µg/kgbw/day

methacrylic acid;2-methylpropenoic acid

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Dermal	380 µg/cm²
Long term – Systemic effects - Workers	Dermal	4.25 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	44 mg/m³
Long term – Systemic effects - Workers	Inhalation	39.3 mg/m³

methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Dermal	1.5 mg/cm²
Long term – Systemic effects - Workers	Dermal	13.67 mg/kg bw/day
Short term – Local effects - Workers	Dermal	1.5 mg/cm²
Long term – Local effects - Workers	Inhalation	208 mg/m³
Long term – Systemic effects - Workers	Inhalation	348.4 mg/m³
Short term – Local effects - Workers	Inhalation	416 mg/m³

Propylidynetrimethyl trimethacrylate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	4.67 mg/cm²
Long term – Local effects - Workers	Dermal	9.33 mg/cm²
Long term – Systemic effects - General population	Dermal	15 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	42 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	5.2 mg/m³
Long term – Systemic effects - Workers	Inhalation	29.6 mg/m³
Long term – Systemic effects - General population	Oral	1.5 mg/kg bw/day

PNEC

2-(2H-benzotriazol-2-yl)-p-cresol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		260 ng/L
Freshwater sediment		136 µg/kg
Intermittent release (freshwater)		822 ng/L
Marine water		26 ng/L
Marine water sediment		13.6 µg/kg
Sewage treatment plant		1 mg/L
Soil		100 mg/kg

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.76 µg/L
Freshwater sediment		5.9 mg/kg
Intermittent release (freshwater)		7 µg/L
Marine water		380 ng/L
Marine water sediment		590 µg/kg
Sewage treatment plant		1 mg/L
Soil		1.18 mg/kg

methacrylic acid;2-methylpropenoic acid

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		820 µg/L
Freshwater sediment		3.09 mg/kg
Intermittent release (freshwater)		450 µg/L
Marine water		82 µg/L
Marine water sediment		309 µg/kg

Sewage treatment plant		100 mg/L
Soil		137 µg/kg

methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		940 µg/L
Freshwater sediment		10.2 mg/kg
Intermittent release (freshwater)		690 µg/L
Marine water		94 µg/L
Marine water sediment		1.02 mg/kg
Sewage treatment plant		10 mg/L
Soil		1.48 mg/kg

Propylidynetrimethyl trimethacrylate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2.76 µg/L
Freshwater sediment		495.1 µg/kg
Intermittent release (freshwater)		20 µg/L
Marine water		276 ng/L
Marine water sediment		49.51 µg/kg
Sewage treatment plant		10 mg/L
Soil		97.4 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.
When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded. Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: All electrical wiring, -lights and -equipment must meet minimum safety requirements of the workplace and equipment used in explosive atmosphere as described by national regulations and/or standards.

Hygiene measures: Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure: Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Work clothing should be made of smooth, closely woven

fire resistant/fire retardant fabrics which tend not to accumulate static electric charges. Trousers should have no cuffs where the material might accumulate. Pockets, if present, should be designed in such a way as to eliminate the accumulation of dust.
Use only UKCA marked protective equipment.

Respiratory Equipment:

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation, wear suitable respiratory equipment. Mask with gas filter, type A (EN 141)	Respiratory protection is not needed in the event of adequate ventilation.				

Skin protection:
No specific requirements.

Hand protection:
No specific requirements.

Eye protection:

Type	Standards	
Safety glasses	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Various colours
Odour / Odour threshold:	Acrylic-like, Pungent
pH:	Testing not relevant or not possible due to the nature of the product.
Density (g/cm³):	1.03
Kinematic viscosity:	No data available
Particle characteristics:	Not applicable

Phase changes

Melting point/Freezing point (°C):	No data available
Softening point/range (waxes and pastes) (°C):	Does not apply to solids.
Boiling point (°C):	101
Vapour pressure:	47 hPa
Relative vapour density:	Does not apply to solids.
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	9
Flammability (°C):	The material is ignitable.
Auto-ignition temperature (°C):	430
Lower and upper explosion limit (% v/v):	2.1 - 12.5

Solubility

Solubility in water:	Immiscible
n-octanol/water coefficient:	Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L):	Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Evaporation rate (n-butylacetate = 100):	No data available
Oxidizing properties:	Testing not relevant or not possible due to the nature of the product.
Other physical and chemical parameters:	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
Highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Avoid static electricity.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 423
Species:	Rat
Route of exposure:	Oral
Test:	
Result:	>10000 mg/kg

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	>0.59 mg/L

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Rat
Route of exposure:	Oral
Test:	LD
Result:	2000 mg/kg

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 401

Species:	Rat
Route of exposure:	Oral
Test:	LC50
Result:	3700 mg/kg

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	7.7 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	0.5 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	3170 mg/kg

Skin corrosion/irritation

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 404
Species:	Rabbit
Duration:	
Result:	No adverse effect observed (Not irritating)

Causes skin irritation.

Serious eye damage/irritation

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 405
Species:	Rabbit
Duration:	
Result:	No adverse effect observed (Not irritating)

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 405
Species:	Rabbit
Duration:	
Result:	Adverse effect observed (Causes serious eye damage)

Causes serious eye irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

Germ cell mutagenicity

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Species:	
Conclusion:	

Carcinogenicity

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	No adverse effect observed

Reproductive toxicity

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Species:	
Duration:	
Test:	
Result:	
Conclusion:	

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Species:	
Duration:	
Test:	
Result:	
Conclusion:	

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

Not applicable.

Other information

methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	>0.17 mg/L

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 202
Species:	Daphnia
Duration:	24 hours
Test:	EC50
Result:	>1000 mg/L

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 211
Species:	Daphnia
Duration:	21 days
Test:	
Result:	0.013 mg/L

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	
Duration:	
Test:	
Result:	

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Fish, Oncorhynchus mykiss
Duration:	
Test:	LC50
Result:	2 mg/kg

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Crustacean, Daphnia magna
Duration:	
Test:	EC50
Result:	9.22 mg/L

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	3.88 mg/L

Product/substance	Propylidynetrimethyl trimethacrylate
Test method:	OECD 210
Species:	
Duration:	
Test:	NOEC
Result:	138 mg/L

Product/substance	Propylidynetrimethyl trimethacrylate
Species:	Algae
Duration:	
Test:	NOEC
Result:	0.0177

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 203
Species:	Fish, Lepomis macrochirus
Duration:	96 hours
Test:	LC50
Result:	4.4 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 202
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	8.6 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 201
Species:	Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC10
Result:	0.188 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 201
Species:	Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	0.705 mg/L

Product/substance	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Test method:	OECD 209
Species:	
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	>100 mg/L

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Product/substance	2-(2H-benzotriazol-2-yl)-p-cresol
Test method:	OECD 305
Potential bioaccumulation:	No data available.
LogPow:	No data available.
BCF:	1471
Other information:	

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 13 – Sensitising
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Not applicable.

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1325	FLAMMABLE SOLID, ORGANIC, N.O.S. (methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate)	Class: 4.1 Labels: 4.1 Classification code: F1 	II	No	Limited quantities: 1 kg Tunnel restriction code: (E) See below for additional information.
IMDG	UN1325	FLAMMABLE SOLID, ORGANIC, N.O.S. (methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate)	Class: 4.1 Labels: 4.1 Classification code: F1 	II	No	Limited quantities: 1 kg EmS: F-A S-G See below for additional information.
IATA	UN1325	FLAMMABLE SOLID, ORGANIC, N.O.S. (methyl methacrylate;methyl 2-methylprop-2-enoate;methyl 2-methylpropenoate)	Class: 4.1 Labels: 4.1 Classification code: F1 	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.
ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.
Hazchem Code: 1Z

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Restrictions for application:	Restricted to professional users. People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	Not applicable.
Additional information:	Not applicable.
Sources:	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.
H302, Harmful if swallowed.
H311, Toxic 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.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H361f, Suspected of damaging fertility.
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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Forgeway Ltd

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended S.I. 2019 No. 758

SAFETY DATA SHEET

DURAT Surface Adhesive - Part B

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

1.1. Product identifier

Trade name:	DURAT Surface Adhesive - Part B
Other names / Synonyms:	Corian Joint Adhesive - Component B

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

Relevant identified uses of the substance or mixture:	Adhesive
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet

Company and address:	**Forgeway Ltd** Unit 3 Exeter Logistics Park Werstan Road, EX5 2GB Clyst - Honiton, Exeter England www.forgeway.com
Contact person:	Technical Department
E-mail:	Aaron.hughes@forgeway.com
Revision:	04/05/2023
SDS Version:	1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sens. 1; H317, May cause an allergic skin reaction.
Aquatic Acute 1; H400, Very toxic to aquatic life.
Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s):

Signal word:	Warning
Hazard statement(s):	May cause an allergic skin reaction. (H317) Very toxic to aquatic life with long lasting effects. (H410)
Precautionary statements:	
General:	-
Prevention:	Avoid breathing dust. (P261) Avoid release to the environment. (P273) Wear eye protection/protective gloves. (P280)
Response:	If skin irritation or rash occurs: Get medical advice/attention. (P333+P313) Take off contaminated clothing and wash it before reuse. (P362+P364) Collect spillage. (P391)
Storage:	-

Disposal:	Dispose of contents/container in accordance with local regulation. (P501)
Hazardous substances:	dibenzoyl peroxide;benzoyl peroxide
Additional labelling:	Not applicable.

2.3. Other hazards

Additional warnings:	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Oxydipropyl dibenzoate	CAS No.: 27138-31-4 EC No.: 248-258-5 UK-REACH: Index No.:	15-25%	Aquatic Chronic 3, H412	
dibenzoyl peroxide;benzoyl peroxide	CAS No.: 94-36-0 EC No.: 202-327-6 UK-REACH: Index No.: 617-008-00-0	5-10%	Org. Perox. B, H241 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact:	IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Burns:	Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed
If skin irritation or rash occurs: Get medical advice/attention.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: 2Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:	Always store in containers of the same material as the original container.
Storage temperature:	5 - 30°C Dry, cool and well ventilated
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

dibenzoyl peroxide;benzoyl peroxide
Long term exposure limit (8 hours) (mg/m³): 5

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

dibenzoyl peroxide;benzoyl peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Dermal	34 µg/cm²
Long term – Systemic effects - Workers	Dermal	13.3 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	39 mg/m³
Long term – Systemic effects - General population	Oral	2 mg/kg bw/day

Oxydipropyl dibenzoate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	2.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	80 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	170 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	8.69 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.8 mg/m³
Short term – Systemic effects - General population	Inhalation	8.7 mg/m³
Short term – Systemic effects - Workers	Inhalation	35.08 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day
Short term – Systemic effects - General population	Oral	80 mg/kg bw/day

PNEC

dibenzoyl peroxide;benzoyl peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		20 ng/L
Freshwater sediment		12.7 µg/kg
Intermittent release (freshwater)		602 ng/L
Marine water		2 ng/L
Marine water sediment		1.27 µg/kg

Sewage treatment plant		350 µg/L
Soil		2.5 µg/kg

Oxydipropyl dibenzoate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		20 µg/L
Freshwater sediment		8.03 mg/kg
Intermittent release (freshwater)		40 µg/L
Intermittent release (marine water)		10 µg/L
Marine water		2 µg/L
Marine water sediment		803 µg/kg
Predators		333 mg/kg
Sewage treatment plant		10 mg/L
Soil		1 mg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures: In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure: Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
Respiratory protection is not needed in the event of adequate ventilation.				

Skin protection:
No specific requirements.

Hand protection:
No specific requirements.

Eye protection:

Type	Standards	
Safety glasses	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Gel
Colour:	White
Odour / Odour threshold:	None
pH:	Testing not relevant or not possible due to the nature of the product.
Density (g/cm³):	1.15
Kinematic viscosity:	No data available
Particle characteristics:	No data available

Phase changes

Melting point/Freezing point (°C):	No data available
Softening point/range (waxes and pastes) (°C):	Does not apply to liquids.
Boiling point (°C):	232
Vapour pressure:	No data available
Relative vapour density:	No data available
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	192
Flammability (°C):	No data available
Auto-ignition temperature (°C):	80
Lower and upper explosion limit (% v/v):	No data available

Solubility

Solubility in water:	Insoluble
n-octanol/water coefficient:	Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L):	Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Oxidizing properties:	Testing not relevant or not possible due to the nature of the product.
Other physical and chemical parameters:	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
May cause an allergic skin reaction.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
Not applicable.

Other information
dibenzoyl peroxide;benzoyl peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity
No data available.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties
Not applicable.

12.7. Other adverse effects
This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Not applicable.

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide;benzoyl peroxide)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg Tunnel restriction code: (-) See below for additional information.
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide;benzoyl peroxide)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg EmS: F-A S-F See below for additional information.
IATA	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide;benzoyl peroxide)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	See below for additional information.

* Packing group
** Environmental hazards

Additional information

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).
-
Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.
ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection

with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.
Hazchem Code: 2Z

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Restrictions for application:	Restricted to professional users. People under the age of 18 shall not be exposed to this product.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes
Additional information:	Not applicable.
Sources:	The Management of Health and Safety at Work Regulations 1999. Control of Major Accident Hazards (COMAH) Regulations 2015. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3
H241, Heating may cause a fire or explosion.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
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DMEL = Derived Minimal Effect Level
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EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Forgeway Ltd

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en