

MATERIAL SAFETY DATA SHEET

Product name	QuelStop CE Marked HPE Sealant
Product Code(s)	QHPE310
Revision Date	01/01/24
Revision number	03

Section 1: Identification of the substance/mixture and of the company / undertaking
1.1. Product identifier

Product form	Mixture
Product name	QuelStop CE Marked HPE Sealant
Product Code	QHPE310
Type of Product	Adhesives, Sealant
Product group	Trade product
Colour	Black

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

Main use category	Professional use
Industrial/ Professional use spec	For professional use only
Use of the substance/ mixture	Adhesives, sealants

1.2.2 Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Springvale Industrial Estate Millbuck Way Sandbach CW11 3HT
Tel	0161 928 7308
Fax	0161 924 1340
Email	technical@quelfire.co.uk

1.4. Emergency telephone number

Emergency telephone number 0161 928 7308 (Office hours only)

Section 2: Hazards Identification
2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Serious eye damage/ eye irritation, Category 2 – H319 Reproductive Toxicity, Category 2 – H361 Hazardous to aquatic environment – Chronic Hazard, Category 3 – H412 Full text of H Statements, see section 16
Adverse physicochemical, human health and environmental effects	Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Suspected of damaging fertility of the unborn child.



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2.2. Label elements

	Label according to Regulation (EC) No. 1272/2008 [CLP]	Hazard pictograms (CLP):   GHS07 GHS08
Label according to Regulation (EC) No. 1272/2008 [CLP]	Signal Word (CLP): Hazardous Ingredients: Hazard Statements (CLP): Precautionary statements (CLP): EUH-statement	Signal Word (CLP): Melamine H319 – Causes serious eye irritation. H361 – Suspected of damaging fertility or the unborn child H412 – Harmful to aquatic life with long lasting effects P201 – Obtain special instructions before use P280 – Wear protective clothing, eye protection, face protection P308+P313 – IF exposed or concerned. Get medical advice/ attention P337 +P313 – if eye irritation persists: get medical advice/ attention EUH208 – Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards

 Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Section 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aluminium Hydroxide	(CAS-No) 21645-51-2 (EC-No) 244-492-7 (REACH No) 01-2119529246-39	10-30	Not classified
Melamine	(CAS No) 108-78-1 (EC-No) 203-615-4	1-10	Repr. 2, H361
Cellulose Substance with a Community workplace exposure limit	-	1-10	Not classified
Alkylphenol polypropylene glycol ether	(CAS No) 9064-15-7 (EC No) 696-008-2	1-10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC No) 220-120-9 (EC index No) 613-088-00-6	0.008	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318

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			Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1)
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS No) 55965-84-9 (EC Index No) 613-167-00-5	0.001	Acute Tox. 2 (inhalation), H330 Acute Tox. 2 (dermal), H310 Acute Tox. 3 (Oral), H301 Skin Irrit. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Name	Product Identifier	specific Concentration limits
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC No) 220-120-9 (EC index No) 613-088-00-6	(0.05 ≤ C ≤ 100) Skin sens. 1, H317
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS No) 55965-84-9 (EC Index No) 613-167-00-5	(0.0015 ≤ C ≤ 100) Skin sens. 1A, H317 (0.06 ≤ C ≤ 0.6) Skin Irrit. 2, H315 (0.06 ≤ C ≤ 0.6) Eye Irrit. 2, H319 (0.6 ≤ C ≤ 100) Skin Corr. 1C, H314 (0.6 ≤ C ≤ 100) Eye Dam. 1, H318

Full text of H- and EUH statements: see section 16

Section 4: First aid measures

4.1. Description of first aid measures

General	IF exposed or concerned. Get medical advice/ attention
Skin contact	Wash skin with plenty of water
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/ attention
Ingestion	Call a poison centre or a doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing

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

Skin contact	There may be mild irritation at the site of contact
Eye contact	Eye irritation

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

Immediate/special treatment	Treat symptomatically
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Section 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Water spray. Dry Powder. Foam. Carbon Dioxide
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	Toxic fumes may be released
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5.3. Advice for fire-fighters

Advice for fire-fighters	Do not attempt to act without suitable protective equipment. Self-contained breathing apparatus. Complete proactive clothing.
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For Emergency responders	Do not attempt to act without suitable protective clothing - see section 8 'Exposure controls/ personal protection'.
For Non-emergency responders	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Ventilate spillage area

6.2. Environmental precautions

Environmental	Avoid release to the environment. Do not allow to enter drains or water courses. Toxic to aquatic life with long lasting effects.
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6.3. Methods and materials for containment and cleaning up

Clean-up procedures	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public water.
Other Information	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Reference to other sections	Refer to section 8 'Exposure controls/ personal protection' & Section 13 'Disposal considerations'.
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Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	Ensure good ventilation of the workstation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store locked up. Store in cool, well ventilated area. Keep container tightly closed.
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7.3. Specific end use(s)

Specific end use(s)	No data available
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Section 8: Exposure controls/personal protection

8.1. Control parameters

Aluminium Hydroxide (21645-51-2)	
WEL TWA (OEL TWA) (1)	10mg/m ³ total dust 4mg/m ³ respirable dust

8.2. Exposure controls

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8.2.1 Appropriate engineering controls

Engineering measures	Ensure there is sufficient ventilation of the area
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8.2.2 Personal protection equipment

Personal Protective Equipment	Dust Formation, Dust Mask, Gloves
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Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye Protection			
Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

8.2.2.2 Skin protection

Skin protection	Protective clothing
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Hand Protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Vinyl, Nitrile rubber (NBR) Chloroprene rubber (CR)	2 (>30 minutes)			EN ISO 374-1

8.2.2.3 Respiratory protection

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
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8.2.2.3 Thermal Hazards

No additional information available

8.2.3 Environmental exposure controls

Avoid release to the environment

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Appearance	Paste
Colour	Grey
Odour	No Data Available
Odour Threshold	No Data Available

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pH	5 - 9
Relative evaporation rate (butylacetate=1)	No Data Available
Melting point	Not applicable
Freezing point	No Data Available
Boiling point	No Data Available
Flash point	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Flammability (solid, gas)	Not applicable
Vapour pressure	No Data Available
Relative vapour density at 20°C	No Data Available
Relative density	1.3 – 1.4
Solubility	No Data Available
Partition coefficient n-octanol/ water (Log Pow)	No Data Available
Viscosity, Kinematic	No Data Available
Viscosity, dynamic	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available
Explosive limits	No Data Available

9.2. Other information

No data available

Section 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (See section 7)

10.5. Incompatible materials

Oxidising agents. Strong acids

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition should not be produced.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

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Aluminium Hydroxide (21645-51-2)	
LD50 oral rat	>2000 mg/kg bodyweight
LC50 inhalation rat	>2.3 mg/l
Serious eye damage/ Irritation	Causes serious eye irritation pH: 5 - 9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
NOAEL (animal/male, F0/P)	1000mg/kg bodyweight
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Viscosity, kinematic	Not classified
Melamine (108-78-1)	
LC50 inhalation rat	>5.19mg/l air animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity Inhalation)
Skin corrosion/ Irritation	Not classified pH: 5 - 9
Serious eye damage/ Irritation	Causes serious eye irritation pH: 5 - 9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child.

Section 12: Ecological information
12.1. Toxicity

Ecology – general	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short term (acute)	Not classified
Hazardous to the aquatic environment, long term (chronic)	Harmful to aquatic life with long lasting effects.
Not rapidly degradable	
Melamine (108-78-1)	
LC50 fish 1	>3000 mg/l
EC50 Daphnia 1	200 mg/l
EC50 72h algae (1)	325 mg/l
LOEC (Chronic)	>11 mg/l
NOEC (Chronic)	≥11 mg/l
NOEC chronic fish	≥ 5.1 mg/l

12.2. Persistence and degradability

No additional information available

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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Ecology - soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This substance/ mixture does not meet the PBT criteria of REACH Regulation, annex XIII

12.6. Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/ container in accordance with licensed collector's sorting instructions

Section 14: Transport information

In accordance with ADR/ RID/ IMDG/ IATA/ ADN	
ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable
No supplementary information available	

14.6. Special Precautions for user

Overland Transport	Not Applicable
Transport by sea	Not Applicable
Air transport	Not Applicable
Inland waterway transport	Not Applicable
Rail transport	Not Applicable

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

Not Applicable

Section 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances(s) listed on REACH Annex XVII restrictions
Contains no substances(s) listed on REACH Annex XIV substances
Contains no substances(s) listed on REACH candidate list
Contains no substances(s) subject to Regulation EU 649/2012 of the European Parliament and of the Council of 4 th July 2021 concerning the export and import of hazardous chemicals
Contains no substances(s) subject to Regulation EU 2019/1021 of the European Parliament and of the Council of 4 th July 2021 on persistent organic pollutants

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15.1.2 National Regulations

No additional information available

15.2. Chemical Safety Assessment

Chemical Safety Assessment

No chemical safety assessment has been carried out

Section 16: Other information

Indication of changes

Composition/ information on ingredients

Indication of changes			
Section	Changed item	Change	Comments
3.2	Additional information	Modified	Melamine added to candidate list

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of dangerous goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological Limit Value
CAS-No.	Chemical Abstract Service Number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community Number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full Text of H- and EUH- statement	
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-

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	isothiazol-3-one (3:1). May produce an allergic reaction.
Acute Tox. 2 (Dermal)	Acute toxicity (Dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (Inhalation), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (Oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (Oral), Category 4
Aquatic Acute 1	Hazardous to aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/ eye irritation, category 1
Eye Irrit. 2	Serious eye damage/ eye irritation, category 2
Repr. 2	Reproductive toxicity, Category 2
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal 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
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child
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.
H412	Harmful to aquatic life with long lasting effects
Skin Corr. 1C	Skin corrosion/ irritation, Category 1, sub-category 1C
Skin sens. 1	Skin sensitisation, Category 1
Skin sens. 1A	Skin sensitisation, Category 1A
Skin Irrit. 2	Skin corrosion/ irritation, Category 2

The Classification complies with ATP 12

Legal disclaimer	The above information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
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