

MATERIAL SAFETY DATA:

QuelStop CE Marked HPE Sealant

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Product name	QuelStop CE Marked HPE Sealant
Product Code(s)	QHPE310
Revision Date	01/03/2025
Revision number	04



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 Unit 4 Spitfire Road Wardle Nantwich Cheshire CW5 6HT
Tel	0161 928 7308
Email	technical@quelfire.co.uk

1.4 Emergency Telephone Number

Emergency Telephone Number	(+44) 0161 928 7308
Language	English
Operating Hours	Monday – Friday 8am – 5pm GMT
Call 999 for Emergency. Call 111 for non-emergency medical advice	

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SECTION 2: Hazards Identification

2.1 Classification of the substance of mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Not Classified
Adverse physicochemical, human health and environmental effects	To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2 Label elements

Label according to Regulation (EC) No. 1272/2008 [CLP]	
EUH-statement	EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5), 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. EUH210 - Safety data sheet available on request.

2.3 Other Hazards

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

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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
Cellulose		1-10	Not classified
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 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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General	If you feel unwell, seek medical advice
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

Symptoms/ effects after skin contact	May cause slight irritation to the skin.
Symptoms/ effects after eye contact	May cause minor eye irritation
Symptoms/ effects after ingestion	May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract
Symptoms/ effects after inhalation	May cause minor irritation to the respiratory tract and to other mucous membranes

4.3 Indication of any immediate medical attention and special treatment needed

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

Hazardous decomposition products in case of fire	Toxic fumes may be released
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5.3 Advice for firefighters

Protection during firefighting	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

6.1.1. For non-emergency personnel

Emergency procedures

Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Take up liquid spill into absorbent material.

Other Information

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	Ensure good ventilation of the workstation. Wear personal protective equipment. Avoid dust formation.
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 in a well-ventilated place. Keep cool.
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7.3. Specific end use(s)

No additional information 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)

10 mg/m³ total dust

4 mg/m³ respirable dust

8.2. Exposure controls

8.2.1 Appropriate engineering controls:

Ensure good ventilation of the workstation.

8.2.2 Personal protective equipment:

Dust formation: dust mask. Gloves

Respiratory protection:

If dust is formed: In case of insufficient ventilation, wear suitable respiratory equipment

Hand Protection

Protective gloves

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

Eye Protection

Safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

Personal protective equipment symbol(s):



8.2.3 Environmental exposure controls:

Avoid release to the environment

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Paste
Colour	Grey
Odour	No Data Available
Odour Threshold	No Data Available
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	> 170 °C
Flammability	Non flammable
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 additional information available.

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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.

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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

Aluminium Hydroxide (21645-51-2)	
LD50 oral rat	>2000 mg/kg bodyweight
LC50 inhalation rat	>2.3 mg/l
Serious eye damage/ Irritation	Not classified pH: 5 - 9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
NOAEL (animal/male, F0/P)	1000mg/kg bodyweight
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short term (acute)	Not classified
Hazardous to the aquatic environment, long term (chronic)	Not classified
Not rapidly degradable	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Ecology - soil	Expected to be highly mobile in soil.
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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

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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
Additional information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging contaminated by the product: Disposal must be done according to official regulations. Non-contaminated packages may be recycled.

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SECTION 14: Disposal considerations

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

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SECTION 15: Regulatory information

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

15.1.1. Relevant EU provisions transposed through retained EU law

Contains no UK REACH substances with Annex XVII restrictions.

Contains no substance(s) listed on the UK REACH Candidate List

Contains no UK REACH Annex XIV substances that are subject to authorisation

Contains no substance subject to GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation.

Contains no substance subject to Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain).

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes

Hazards identification. Composition/information on ingredients.

Section	Changed item	Change	Comments
2	Hazard Statements (CLP)	Removed	Hazard Classification Removed - Recalculated for New Formulation
3.2	Composition/information on ingredients	Modified	
4	First-aid measures general	Modified	
6	Emergency procedures	Modified	
7	Precautions for safe handling	Modified	
11		Removed	Removal of Melamine from Formulation
12		Removed	Removal of Melamine from Formulation
13	Disposal considerations	Modified	Updated to Reflect Formulation
15		Modified	Updated to Reflect Formulation

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
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community Number
EN	European Standard
IARC	International Agency for Research on Cancer
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
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)

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Abbreviations and acronyms	
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full Text of H- and EUH- statement	
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
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), 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.
EUH210	Safety data sheet available on request.
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
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Skin Corr. 1C	Skin corrosion/ irritation, Category 1, sub-category 1C
Skin Irrit. 2	Skin corrosion/ irritation, Category 2
Skin sens. 1	Skin sensitisation, Category 1
Skin sens. 1A	Skin sensitisation, Category 1A

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.