Product Name	QuelStop Acrylic Sealant
Product Code(s)	QSS310, QSS600
Revision Date	01/01/2026
Revision Number	04

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier	
Product Form	Article
Product Name	QuelStop Acrylic Sealant
Product Code	QSS310, QSS600
Type of Product	Adhesives, sealant
Product Group	Trade product

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, sealant
1.2.2. Uses Advised Against	
In terms of site use, the product shall be used in accordance with the technical guidance published by Quelfire.	

1.3. Details of the Supplier of the Safety Data Sheet	
Company	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 (UK)
Operating Hours	Monday – Friday, 8am – 5pm (GMT)
Call 999 for an emergency. Call 111 for non-emergency medical advice.	

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	EUH205 - contains epoxy constituents. May produce an allergic reaction. 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.

2.3. Other Hazards
Other hazards which do not result in classification: Dust formation. This substance/mixture does not meet the PBT criteria of UK REACH regulation, annex XIII. Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with UK 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]**
Calcium Carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	30 – 50	Not classified
Aluminium Hydroxide	(CAS-No) 21645-51-2 (EC-No) 244-492-7 (REACH No) 01-2119529246-39	10 – 30	Not classified
Titanium Dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 (REACH-no) 01-2119489379-17	< 1	Carc. 2, H351
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	< 1	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	< 1	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**
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
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
Comments	Titanium dioxide Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide, in the form of or incorporated into particles with an aerodynamic diameter ≤ 10 µm.		
Full text of H- and EUH statements (see Section 16)			

Section 4: First Aid Measures

4.1. Description of First Aid Measures	
General	If you feel unwell, seek medical advice.
Skin Contact	If you experience skin irritation, rinse the affected area thoroughly with water.
Eye Contact	If eye contact occurs, rinse with water for several minutes and seek medical attention. If possible, remove contact lenses and continue rinsing. If eye irritation persists, seek medical advice/attention.
Ingestion	If ingested, call a poison centre or a doctor if you feel unwell.
Inhalation	If inhaled, move the affected person to an area with plenty of fresh air, and keep them comfortable and calm.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed	
Symptoms/Effects	Immediate effects can be expected after short-term exposure
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

Section 5: Firefighting Measures

5.1. Extinguishing Media	
Suitable Extinguishing Media	Water spray, dry powder, foam, carbon dioxide

5.2. Special Hazards Arising From the Substance or Mixture	
Hazardous Decomposition Products in Case of Fire	Thermal decomposition generates carbon dioxide and carbon monoxide and may release toxic fumes.

5.3. Advice for Firefighters	
Protection During Firefighting	Do not attempt to act without suitable protective equipment, self-contained breathing apparatus, and complete protective clothing.

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
6.1.2. For Emergency Responders	
Protective Equipment	Do not attempt to act without suitable protective equipment. For further information, refer to Section 8: "Exposure Controls/Personal Protection".

6.2. Environmental Precautions
Avoid release to the environment

6.3. Methods and Material for Containment and Cleaning Up	
Methods for Cleaning Up	Ventilate the spillage area, then shovel or sweep up the spill and place it in a closed container for disposal. Next, clean up the liquid spill with absorbent material and place it in a suitable container for disposal. Prevent the product from entering drains or confined areas.
Other Information	Dispose of materials or solid residues at an authorised site

6.4. Reference to Other Sections
For further information, refer to Section 8: "Exposure Controls/Personal Protection".

Section 7: Handling and Storage

7.1. Precautions for Safe Handling	
Handling Requirements	Ensure good ventilation of the workstation, wear personal protective equipment, and 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 cool, well-ventilated area
Incompatible Products	Strong acids

7.3. Specific End Use(s)
No additional information available

Section 8: Exposure Controls/Personal Protection

8.1. Control Parameters	
8.1.1. National Occupational Exposure and Biological Limit Values	
Calcium Carbonate (471-34-1)	
Local Name	Calcium Carbonate (limestone, marble)
WEL TWA (OEL TWA)	10 mg/m³ total inhalable 4 mg/m³ respirable
WEL STEL (OEL STEL)	4 mg/m³
Regulatory Reference	EH40/2005 (Fourth Edition, 2020). HSE.

Titanium Dioxide (13463-67-7)	
Local Name	Titanium Dioxide
WEL TWA (OEL TWA)	4 mg/m³ respirable 10 mg/m³ total inhalable
Regulatory Reference	EH40/2005 (Fourth Edition, 2020). HSE.

Aluminium Hydroxide (21645-51-2)	
WEL TWA (OEL TWA) [1]	10 mg/m³ total dust, 4 mg/m³ respirable dust

8.1.2. Recommended Monitoring Procedures
No additional information available
8.1.3. Air Contaminants Formed
No additional information available
8.1.4. DNEL and PNEC
No additional information available
8.1.5. Control Banding
No additional information available

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, and safety glasses					
Respiratory Protection					
If dust arises and ventilation is inadequate, wear appropriate respiratory protection					
Hand Protection					
Protective gloves					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Disposable gloves					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					
8.2.3. Environmental Exposure Controls					
Do not eat, drink, or smoke when using this product					

Personal protective equipment symbol(s):

Section 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties	
Physical State	Liquid
Odour	Acrylic-like
Odour Threshold	No data available
pH	6.5 – 9
pH Solution	No data available
Relative Evaporation Rate (Butylacetate=1)	No data available
Melting Point	No data available
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	Nonflammable
Vapour Pressure	No data available
Vapour Pressure at 50°C	No data available
Relative Vapour Density at 20°C	No data available
Density	1.56 – 1.66 g/cm³
Solubility	No data available
Partition Coefficient N-Octanol/Water (Log Pow)	No data available
Viscosity, Kinematic	No data available
Viscosity, Dynamic	300000 – 900000 cP
Relative Vapour Density at 20°C	No data available
Particle Size	No data available
Particle Size Distribution	No data available
Particle Shape	No data available
Particle Aspect Ratio	No data available
Particle Aggregation State	No data available
Particle Agglomeration State	No data available
Particle Specific Surface Area	No data available
Particle Dustiness	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 storage and use conditions, hazardous decomposition should not occur

Section 11: Toxicological Information

11.1. Information on Toxicological Effects	
Calcium Carbonate (471-34-1)	
LD50 Oral Rat	> 5000 mg/kg bodyweight, Animal: Rat, Animal Sex: Female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity – Fixed Dose Procedure)
LC50 Inhalation Rat	> 3 mg/l air, Animal: Rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute Inhalation Toxicity)
NOAEL (Oral, Rat, 90 Days)	1000 mg/kg bodyweight, Animal: Rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test)
pH	8.5 – 9.5
Viscosity, Kinematic	Not applicable

Aluminium Hydroxide (21645-51-2)	
LD50 Oral Rat	> 2000 mg/kg bodyweight
LC50 Inhalation Rat	> 2.3 mg/l
pH	9
NOAEL (Animal/Male, F0/P)	1000mg/kg bodyweight
Viscosity, Kinematic	Not applicable

Titanium Dioxide (13463-67-7)	
LD50 Oral Rat	> 5000 mg/kg bodyweight, Animal: Rat, Animal Sex: Female, Guideline: OECD Guideline 425 (Acute Oral Toxicity)
LC50 Inhalation Rat	> 6.8 mg/l/4h
pH	6 – 8

Acute Toxicity (Oral)	Not classified
Acute Toxicity (Dermal)	Not classified
Acute Toxicity (Inhalation)	Not classified
Skin Corrosion/Irritation	Not classified. pH: 6.5 – 9
Serious Eye Damage/Irritation	Not classified. pH: 6.5 – 9
Respiratory/Skin Sensitisation	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
STOT-Single Exposure	Not classified
STOT-Repeated Exposure	Not classified
Aspiration Hazard	Not classified

11.2. Information on Other Hazards	
11.2.1. Endocrine Disrupting Properties	
Adverse Health Effects Caused by Endocrine Disrupting Properties	Based on available data, the classification criteria are not met
11.2.2. Other Information	
No additional information available	

Section 12: Ecological Information

12.1. Toxicity	
Ecology – General	The product is not considered harmful to aquatic organisms, nor does it 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	
Calcium Carbonate (471-34-1)	
LC50 – Fish [1]	> 10000
EC50 – Crustacea [1]	> 1000
EC50 72h – Algae [1]	> 200 mg/l
Titanium Dioxide (13463-67-7)	
LC50 – Fish [1]	> 1000 mg/l
EC50 – Crustacea [1]	> 1000 mg/l
EC50 – Other Aquatic Organisms [1]	> 100 mg/l Test Organisms (Species) No data on species available
EC50 72h – Algae [1]	> 100 mg/l Test Organisms (Species): Pseudokirchneriella Subcapitata (Previous Names: Raphidocelis Subcapitata, Selenastrum Capricornutum)
LOEC (Chronic)	5 mg/l Test Organisms (Species): Daphnia Magna, Duration: '21 d'
NOEC (Chronic)	≥ 2.92 mg/l Test Organisms (Species): Daphnia Magna, Duration: '21 d'

12.2. Persistence and Degradability
No additional information available

12.3. Bioaccumulative Potential	
Not potentially bioaccumulable	
Calcium Carbonate (471-34-1)	
Partition Coefficient N-Octanol/Water (Log Pow)	< 1

12.4. Mobility in Soil	
Ecology – Soil	The product absorbs into the soil. Liquid product: Readily absorbed into soil.

12.5. Results of PBT and vPvB Assessment
No additional information available

12.6. Endocrine Disrupting Properties
No additional information available

12.7. Other adverse effects
No additional information available

Section 13: Disposal Considerations

13.1. Waste Treatment Methods	
Regional Legislation (Waste)	Disposal must be carried out according to official regulations
Waste Treatment Methods	Dispose of contents/container in accordance with licensed collector's sorting instructions
Additional Information	Dispose of waste according to applicable legislation and handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.
European List of Waste (LoW, EC 2000/532)	08 04 10 – waste adhesives and sealants other than those mentioned in 08 04 09

Section 14: Transport Information

14.1. UN Number or ID Number	
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	

14.2. UN Proper Shipping Name	
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	

14.3. Transport Hazard Class(es)	
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	

14.4. Packing Group	
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	

14.5. Environmental Hazards	
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. Relevant EU Provisions Transposed Through Retained EU Law
Contains no UK REACH substances with Annex XVII restrictions
Contains no substance 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

Section 16: Other Information

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 1272/2008
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-Statements	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), 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 the aquatic environment – acute hazard, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – chronic hazard, category 1
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one(2634-33-5), reaction mass of 5-chloro-2-methyl2H-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
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, sSub-category 1C
Skin Irrit. 2	Skin corrosion/irritation, category 2
Skin Sens. 1	Skin sensitisation, category 1
Skin Sens. 1A	Skin sensitisation, category 1A

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

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