



Print date 22.12.2021  
Revision 03.04.2017

## Q-seal

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

#### 1.1. Product identifier

Q-seal, Glass silicone

Art. no.: 201340

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

##### Use of the substance/mixture

No further relevant information available.

##### Application of the substance / the mixture

Sealant

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Q-railing UK  
Unit 1, Tunstall Arrow  
James Brindley Way, Stoke-on-Trent  
Staffordshire, ST6 5GF  
Telephone +44 (0) 800 781 42 45 | +44 (0) 1782 711 676  
Email [sales.uk@q-railing.com](mailto:sales.uk@q-railing.com)  
[www.q-railing.com](http://www.q-railing.com)

##### Information contact

Sales UK  
Telephone +44 (0) 800 781 42 45 | +44 (0) 1782 711 676  
Email [sales.uk@q-railing.com](mailto:sales.uk@q-railing.com)

##### Emergency telephone number

+49 228 192 40 (Information center against poisoning: Bonn, Germany)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008

Signal word: Void

Hazard pictograms:



##### Hazard statements

Void

##### Additional information

Contains 2-octyl-2H-isothiazol-3-one, 2-butanone oxime, 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Safety data sheet available on request.

#### 2.3. Other hazards

not applicable



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### Results of PBT and vPvB assessment

**PBT:** not applicable

**vPvB:** not applicable

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## SECTION 3: Composition/information on ingredients

### 3.1. Mixtures

Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

DISTILLATES (PETROLEUM), HYDTROTREATED MIDDLE; EINECS: 265-148-2; Reg.nr.: 01-2119552497-29-xxxx; CAS No. : 64742-46-7; Weight fraction : 20-25%  
Asp. Tox. 1, H304

#### Additional information

For the wording of the listed hazard phrases refer to section 16.

#### Specific concentration limits and M-factors

ETHYLENE DIMETHACRYLATE; EC No. : 202-617-2; CAS No. : 97-90-5; Weight fraction : 5 - < 20 %  
Specific concentration limits and M-factors: STOT SE 3; H335: >= 10 - 100

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Personal protection for the First Aider.

#### After inhalation

Supply fresh air and to be sure call for a doctor.

#### After contact with skin

Generally the product does not irritate the skin. Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.

#### After swallowing:

If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

CO<sub>2</sub>

Powder

Water spray: Fight larger fires with water spray.

Foam

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### For safety reasons unsuitable extinguishing agents

Full water jet

### 5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

### 5.3. Advice for firefighters

Protective equipment: Mouth respiratory protective device.

### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use Wear protective clothing.

Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not allow to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

### 6.3. Methods and material for containment and cleaning up

Pick up mechanically.

Dispose of the material collected according to regulations.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### 6.4. Reference to other sections

No dangerous substances are released.

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Use in a well-ventilated area.

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

#### Information about fire - and explosion protection

No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements to be met by storerooms and receptacles

Store only in the original receptacle.

#### Information about storage in one common storage facility

none

#### Further information on storage conditions

none

### 7.3. Specific end use(s)

Industrial processing.

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## SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

### 8.1. Control parameters

#### Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### DNELs

2-BUTANONE OXIME; CAS No. : 96-29-7

Type: wrks, long, system

Exposure route: dermal

Value: 1.3 mg/kg/d (mouse)

Type: cstm, long, system

Exposure route: dermal

Value: 0.78 mg/kg/d (mouse)

Type: wrks, short, system

Exposure route: dermal

Value: 2.5 mg/kg bw/d (mouse)

Type: cstm, short, system

Exposure route: dermal

Value: 1.5 mg/kg bw/d (mouse)

Type: wrks, long, system

Exposure route: Inhalative

Value: 9 mg/kg/d (mouse)

Type: cstm, long, system

Exposure route: Inhalative

Value: 2.7 mg/kg/d (mouse)

Type: wrks, short, system

Exposure route: Inhalative

Value: 3.33 mg/kg bw/d (mouse)

Type: cstm, short, system

Exposure route: Inhalative

Value: 2 mg/kg bw/d (mouse)



## VMU Plus - Injection mortar

### PNECs

2-BUTANONE OXIME; CAS No. : 96-29-7

Freshwater:	0.256 mg/l (daphnia)
Micro-organisms in sewage treatment plants (STP):	177 mg/l (daphnia)
intermittent release:	0.118 mg/l (daphnia)

### Additional information:

The lists valid during the making were used as basis.

## 8.2. Exposure controls

### Personal protective equipment

#### General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

#### Protective and hygiene measures

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection programme.  
Wash hands thoroughly after handling. When using do not eat, drink or smoke.

#### Eye protection

Goggles recommended during refilling.

#### Hand protection

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves: NBR (Nitrile rubber)

Thickness of the glove material: > 0.5 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

Not necessary if room is well-ventilated.

Short term filter device:

Filter A/P2

#### Body protection

Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form:	paste-like
Colour:	According to product specification
Odor:	characteristic
Odour threshold:	no determined
pH value:	not applicable

#### Changes in condition

Melting point/freezing point: undetermined

Initial boiling point and boiling range: >300 °C

Flash point: not applicable



## VMU Plus - Injection mortar

### Flammability

Solid/gas: not determined  
Ignition temperature: 200 °C

### Auto-ignition temperature

Product is not selfigniting.  
Decomposition temperature: not determined  
Explosive properties: Product does not present an explosion hazard.

Vapor pressure : not applicable  
Density ( 20 °C ) : 0.97 g/cm<sup>3</sup>  
Relative density Not determined  
Vapour density Not applicable  
Evaporation rate Not applicable  
Solubility in / Miscibility with water: Insoluble  
Partition coefficient: n-octanol/water: Not determined

### Viscosity

Dynamic: not applicable  
Kinematic: not applicable  
Organic solvents: 0.0 %  
VOCV (CH): 0.00 %  
Solid content: 99.9 %

### 9.2. Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No decomposition if used according to specifications.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

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

#### LD/LC50 values relevant for classification

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE; CAS No. : 64742-46-7

Exposure route : Oral  
Species: Rat  
Dose: LD50 >5,000 mg/kg



## VMU Plus - Injection mortar

Exposure route : Dermal  
Species: Rabbit  
Dose: LD50 >3,150 mg/kg  
Exposure route : Inhalative  
Species: Rat  
Dose: LC50/4 h >5,266 mg/l

2-BUTANONE OXIME; CAS No. : 96-29-7

Exposure route : Oral  
Species: Rat  
Dose: LD50 3,700 mg/kg  
Exposure route : Dermal  
Species: Rabbit  
Dose: LD50 200-2,000 mg/kg  
Exposure route : Inhalative  
Species: Rat  
Dose: LC50/4 h 20 mg/l

### **Skin corrosion/irritation**

No irritant effect.

### **Serious eye damage/irritation**

No irritant effect.

### **Respiratory or skin sensitization**

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

### **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.

## SECTION 12: Ecological information

### 12.1. Toxicity

No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### **Additional ecological information - general notes**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

### 12.5. Results of PBT and vPvB assessment

Not applicable.

### 12.6. Other adverse effects

No further relevant information available.



Safety Data Sheet according to regulation (EC) No.  
1907/2006 (REACH)

Print date 06.10.2020

Revision 06.10.2020

## VMU Plus - Injection mortar

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Recommendations

Smaller quantities can be disposed of with household waste.

##### European waste catalogue

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

15 01 10 plastic packaging

##### Uncleaned packaging

##### Recommendations

Disposal must be made according to official regulations.

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### SECTION 14: Transport information

#### 14.1. UN number

ADR, ADN, IMDG, IATA: void

#### 14.2. UN proper shipping name

ADR, ADN, IMDG, IATA: void

#### 14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA: void

#### 14.4. Packing group

ADR, IMDG, IATA: void

#### 14.5. Environmental hazards

Marine pollutant: no

#### 14.6. Special precautions for user

not applicable

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

not applicable

#### Transport/Additional information

Not dangerous according to the above specifications.

#### UN "Model Regulation"

void

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### SECTION 15: Regulatory information

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

Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58. This product contains a biocidal product (2-octyl-2H-isothiazol-3-on (OIT), CAS-Nr. 26530-20-1) for the preservation of the dry film.

#### Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients is listed.

#### National regulations

Technical instructions (air): Class I, <1 %

#### Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water

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## VMU Plus - Injection mortar

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### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### 16.1. Relevant phrases

H304 May be fatal if swallowed and enters airways

### 16.2. Abbreviations and acronyms

ctsm, long, system: general population, long-term exposure, systematic effects

cstm, short, system: general population, acute / short-term exposure, systematic effects

wrks, long, system: workers, long-term exposure - systemic effects

wrks, short, system: workers, acute / short-term exposure - systemic effects

cstm, long, local: general population, long-term exposure, local effects

STP: sewage treatment plant

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*