Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023 *Version number 77 (replaces version 76)* *Revision: 12.01.2023*

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

· 1.1 Product identifier

· **Trade name: Quick Seal White**

· **Article number:** 34501

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· **Application of the substance / the mixture**

Sealant

Adhesive

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

KENT (United Kingdom) Ltd
Forsyth House
Pitreavie Drive
Pitreavie Business Park
Dunfermline
Fife
KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm
Fax: +44 1383 620079
SDS@kenteurope.com

· 1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

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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 GB CLP regulation.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Contains trimethoxyvinylsilane. May produce an allergic reaction.
Safety data sheet available on request.
Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

· 2.3 Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released during curing.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with a Community workplace exposure limit	<3%
CAS: 13822-56-5 EINECS: 237-511-5 Reg.nr.: 01-2119510159-45	3-(trimethoxysilyl)propylamine Eye Dam. 1, H318; Skin Irrit. 2, H315	<3%
CAS: 68424-38-4 EINECS: 270-299-2 Reg.nr.: 01-2119648083-41	Fatty acids, C16-18, sodium salts Aquatic Chronic 3, H412	<3%

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CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52	trimethoxyvinylsilane Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317	<1%
CAS: 870-08-6 EINECS: 212-791-1	dioctyltin oxide Substance identified as having endocrine disrupting properties (II)	<0.5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation** Supply fresh air; consult doctor in case of symptoms.
· **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing**
Rinse out mouth.
In case of persistent symptoms 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 agents**
CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
Use fire fighting measures that suit the environment.
· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
· **5.3 Advice for firefighters**
· **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus.

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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
· **6.2 Environmental precautions:** No special measures required.
· **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about protection against explosions and fires:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** Store in cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed containers.
Protect from humidity and keep away from water.

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10-35ºC

· **Storage class** *12*

· **7.3 Specific end use(s)** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**

As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
WEL	Long-term value: 10* 4** mg/m³ *total inhalable **respirable

· **Regulatory information** *WEL: EH40/2020*

· **DNELs**

471-34-1 Calcium carbonate		
Inhalative	Long term systemic effect	10 mg/m3 (Worker)
	Long term local effect	4.26 mg/m3 (Worker)
13822-56-5 3-(trimethoxysilyl)propylamine		
Dermal	Acute systemic effect	8.3 mg/kg bw/day (Worker)
	Long term systemic effect	8.3 mg/kg/dy (Worker)
Inhalative	Long term systemic effect	58 mg/m3/1h (Worker)
	Acute systemic effect	58 mg/m3 (Worker)
2768-02-7 trimethoxyvinylsilane		
Dermal	Long term systemic effect	3.9 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	27.6 mg/m3 (Worker)
52829-07-9 Bis 2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Dermal	Acute systemic effect	2 mg/kg bw/day (Worker)
	Long term systemic effect	0.5 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	0.68 mg/kg (Worker)

· **PNECs**

13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
PNEC	0.184 mg/l (Aqua (freshwater)) 0.193 mg/l (Aqua (intermittent)) 0.0184 mg/l (Aqua (marine water)) 1,000 mg/kg (Freshwater sediment) 100 mg/kg (Marine water sediment) 100 mg/l (Sewage treatment plant) 100 mg/kg (Soil)
13822-56-5 3-(trimethoxysilyl)propylamine	
PNEC	0.33 mg/l (Aqua (freshwater)) 0.033 mg/l (Aqua (marine water)) 0.26 mg/kg (Freshwater sediment) 13 mg/l (Sewage treatment plant) 0.04 mg/kg (Soil)
2768-02-7 trimethoxyvinylsilane	
PNEC	0.34 mg/l (Aqua (freshwater)) 3.4 mg/l (Aqua (intermittent)) 0.034 mg/l (Aqua (marine water)) 0.27 mg/l (Freshwater sediment) 110 mg/l (Sewage treatment plant) 0.046 mg/kg (Soil)
52829-07-9 Bis 2,2,6,6-tetramethyl-4-piperidyl) sebacate	
PNEC	0.018 mg/l (Aqua (freshwater)) 0.0018 mg/l (Aqua (marine water)) 29 mg/kg (Freshwater sediment)

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	2.9 mg/kg (Marine water sediment) 5.9 mg/kg (Soil)

· **Ingredients with biological limit values:**
· **Additional Occupational Exposure Limit Values for possible hazards during processing:**
Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released during curing.

67-56-1 methanol	
WEL	Short-term value: 333 mg/m³, 250 ppm Long-term value: 266 mg/m³, 200 ppm Sk

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see item 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures** Wash hands during breaks and at the end of the work.
· **Breathing equipment:** Not necessary if room is well-ventilated.
· **Hand protection**

Protective gloves.

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.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Wear suitable gloves tested to EN 374
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.7 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 can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
Value for the permeation: Level 5 > 240 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**

Safety glasses (EN 166)

· **Body protection:** Protective work clothing (EN-13034/6)

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**

· **Physical state**	Fluid
· **Colour:**	White
· **Odour:**	Mild
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	Not determined
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable
· **Decomposition temperature:**	Not determined.
· **pH**	Mixture is non-polar/aprotic.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.

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· **dynamic at 20 °C:**	6000 - 14000 Pas
· **Solubility**	
· **Water:**	Not miscible / difficult to mix
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C**	1.48 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

· **9.2 Other information**

· **Appearance:**	
· **Form:**	Pasty
· **Important information on protection of health and environment, and on safety.**	
· **Self-inflammability:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive.
· **Solvent content:**	
· **Organic solvents:**	NIL VOC
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

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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 dangerous decomposition products known

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Oral	LD50	>20,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (rbt)

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	ErC 50	61 mg/l (Algae) (EPA 600/9-78-018, 72 hr)
13822-56-5 3-(trimethoxysilyl)propylamine		
	OECD 437	<3 (Bovine Cornea) (OCED Test No. 437)
2768-02-7 trimethoxyvinylsilane		
Oral	LD50	7,120 mg/kg (Rat)
Sensitisation	OECD Test No.406	Not a skin sensitiser (Guinea pig)
	OECD Test No. 405	(Rabbit) (Acute Eye irritation / corrosion: Non irritant)
870-08-6 dioctyltin oxide		
Oral	LD50	2,500 mg/kg (Rat)
52829-07-9 Bis 2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	LD50	>2,000 mg/kg (Rat) (OECD 423)
Dermal	LD50	>3,170 mg/kg (Rat) (OECD 402)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation**
No classification is proposed, based on conclusive negative data. By analogy to another tested similar product:
No irritation after contact to the eyes. (H319 is void).
3-(trimethoxysilyl)propylamine CAS 13822-56-5
OECD 437 Bovine Corneal Opacity and Permeability (BCOP) test
Corneal / Bovine / Exposure time 10 mins; Product score <3 Non-irritant
Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation**
OECD Test No. 406: Skin Sensitisation. No sensitisation responses were observed. No classification is proposed, based on conclusive negative data.
May cause sensitisation in susceptible persons.
Trimethoxyvinylsilane CAS 2768-02-7
OECD Test No. 406 Skin sensitisation
Dermal / Guinea pig: Not a skin sensitiser
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.

· 11.2 Information on other hazards

· **Endocrine disrupting properties**		
870-08-6	dioctyltin oxide	List II

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SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**	
471-34-1 Calcium carbonate	
EC50	>1,000 mg/l (Activated sludge) (OECD 209 3 hrs)
EC50 (72 hr)	>200 mg/l (Algae)
	>14 mg/l (Desmodesmus subspicatus) (OECD 202)
NOEC	1,000 mg/l (Activated sludge) (OECD 209 3 hrs)
NOELR	14 mg/l (Desmodesmus subspicatus) (OECD 201 72 hrs)
13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
LC50 (48 hr)	5.5 mg/l (Crustacea)
LC50 (96 hr)	>100 mg/l (Oncorhynchus mykiss) (= OECD 203)
13822-56-5 3-(trimethoxysilyl)propylamine	
EC50 (48 hr)	331 mg/l (Daphnia magna) (OECD 202)
EC50 (72 hr)	>1,000 mg/l (Desmodesmus subspicatus) (EU Method C.3 (Algal Inhibition test))
LC50 (96 hr)	>934 mg/l (Danio rerio (Zebra fish; semistatic)) (OECD 203)
68424-38-4 Fatty acids, C16-18, sodium salts	
EC50	120 mg/l (Desmodesmus subspicatus) (96 hrs)
EC50 (72 hr)	86 mg/l (Water flea (Ceriodaphnia dubia))

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2768-02-7 trimethoxyvinylsilane	
EC10	1,000 (Pseudomonas Putida) (5 hours)
EC50 (48 hr)	169 mg/l (Daphnia magna)
EC50 (72 hr)	210 mg/l (Selenastrum capricornutum)
	>957 mg/l (Desmodesmus subspicatus) (EU Method C.3)
LC50 (96 hr)	191 mg/l (Oncorhynchus mykiss)
NOEC (72 hr)	25 mg/l (Selenastrum capricornutum)
NOEC (21 days)	28 mg/l (Daphnia magna) (Reproduction)
52829-07-9 Bis 2,2,6,6-tetramethyl-4-piperidyl) sebacate	
EC50 (24 hr)	17 mg/l (Daphnia magna) (OECD 202)
EC50	1.9 mg/l (Algae (Scenedesmus subspicatus)) (DIR 92/69/EC)
EC50 (72 hr)	0.705 mg/l (Pseudokirchneriella subcapitata)
LC50	5,290 ug/l (Fish)
	0.013 ug/l (Oncorhynchus mykiss) (OECD 203)
LC50 (48 hr)	8.58 mg/l (Daphnia magna)

· **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.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· **14.1 UN number or ID 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**	
· **Class**	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 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.

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· **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**

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **National regulations**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

· **Department issuing data specification sheet:** Environment protection department
· **Abbreviations and acronyms:**
RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: 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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· **Data compared to the previous version altered.** *