

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

**SECTION 1: Identification of the substance/mixture and of the company/
undertaking****1.1 Product identifier**Trade name **ONEBOND SILICONE CONSTRUCTION**

Safety data sheet no.: 2199SI001_3

1.2 Relevant identified uses of the substance or mixture and uses advised against**Life cycle stages**

PW Widespread use by professional workers

C Consumer use

Sector of Use

SU19 Building and construction work

SU21 Consumer uses: Private households / general public / consumers

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

Product category PC1 Adhesives, sealants**Process category**

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC5 Mixing or blending in batch processes

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

Environmental release category

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC12c Use of articles at industrial sites with low release

Application of the substance / the mixture Construction chemicals**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Saint-Gobain Surface Solutions

251 rue de l'Ambassadeur

78700 Conflans, France

+33 1 34 90 41 40

Onebond.support@Saint-Gobain.com

1.4 Emergency telephone number: +33 1 34 90 41 40**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** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Precautionary statements**

P280 Wear protective gloves / eye protection.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 1)

Additional information:

Safety data sheet available on request.

EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture consisting of the following components.

Dangerous components:

CAS: 37859-55-5 ELINCS: 484-460-1 Reg.nr.: 01-2120004323-76-xxxx	O,O',O''-(methylsilyldiyl)trioxime 2-pentanone ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	2-5%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39-xxxx	N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1B, H317; STOT SE 3, H335	≥0.1-<1%

SVHC Void

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

SECTION 4: First aid measures

4.1 Description of first aid measures
General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Rinse with warm water.

After eye contact

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30°C).

After swallowing Do not induce vomiting; call for medical help immediately.

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents

 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 3)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 2)

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:** Wear self-contained respiratory protective device.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Contain the spilled liquid. Use appropriate containment to avoid environmental contamination.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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 disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store away from sources of ignition.

Ensure sufficient ventilation for storage and work areas.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from water.

Further information about storage conditions:

Store in dry conditions.

Protect from heat and direct sunlight.

Keep container tightly sealed.

Recommended storage temperature: 5-25°C**7.3 Specific end use(s)** No further relevant information available.

EUG

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 37859-55-5 O,O',O''-(methylsilylidyne)trioxime 2-pentanone		
Oral	Derived No Effect Level	0.033 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	0.065 mg/kgxday (worker systemic long term value)
		0.033 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.229 mg/m ³ (worker systemic long term value)
		0.057 mg/m ³ (consumer systemic long term value)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	Derived No Effect Level	4 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	130 mg/m ³ (worker systemic long term value)
		26 mg/m ³ (consumer systemic long term value)

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment
General protective and hygienic measures:

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

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Ensure adequate ventilation during use.

Do not eat or drink while working.

Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection Protective gloves against chemicals (standard EN 374-1)

Eye/face protection Safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Physical state

Fluid

Colour:

Various colours

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

Undetermined.

Flammability

Not applicable.

Lower and upper explosion limit
Lower:

Not determined.

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 4)

Upper:	Not determined.
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Kinematic viscosity dynamic:	Not determined.
Solubility	
Water:	Not miscible or difficult to mix
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Vapour pressure:	
Density and/or relative density	
Density at 20 °C:	1.33 g/cm ³ (DIN 51757)
Relative density	Not determined.
Bulk density:	Not applicable.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Pasty
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not determined
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
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

(Contd. on page 6)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 5)

Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

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 Minimize exposure to air and moisture to avoid a loss of product quality.

10.5 Incompatible materials:

Strong acids and strong bases.

Oxydising agents.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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 relevant for classification:

Components	Type	Value	Species
CAS: 37859-55-5 O,O',O''-(methylsilyldi)trioxime 2-pentanone			
Oral	LD50	1,234 mg/kg	(Rat)
Dermal	LD50	>2,000 mg/kg	(Rat)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine			
Oral	LD50	2,295 mg/kg	(Rat)
Dermal	LD50	>2,000 mg/kg	(Rabbit)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

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

Sensitising effect by skin contact is possible by prolonged exposure.

May cause an allergic skin reaction to already sensitised individuals (supplemental labelling EUH208 in Europe)

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.

(Contd. on page 7)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 6)

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic life

Type of test / Effective concentration / Method / Assessment

CAS: 37859-55-5 O,O',O''-(methylsilylidyne)trioxime 2-pentanone

LC50/96h	100-113 mg/l (Fish)
EC50/48h	100-113 mg/l (Daphnia magna)
EC50/72h	50-100 mg/l (Algae)

CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

LC50/96h	597 mg/l (Brachydanio rerio (zebra danio))
EC50/16h	60 mg/l (Activated sludge)
EC50/48h	81 mg/l (Daphnia magna)
EC50/96h	11 mg/l (Algae)
EC50/72h	5.5-8.8 mg/l (Algae)
NOEC (72h)	1.6-3.1 mg/l (Algae)
NOEC (96h)	6.3 mg/l (Algae)
	344 mg/l (Fish)
EC 10/16h	67 mg/l (Activated sludge)

12.2 Persistence and degradability No further relevant information available.

Method

CAS: 37859-55-5 O,O',O''-(methylsilylidyne)trioxime 2-pentanone

Biod. (28 days) | 1 % (Biodegradation)

12.3 Bioaccumulative potential

CAS: 37859-55-5 O,O',O''-(methylsilylidyne)trioxime 2-pentanone

EBAB | 1.25 log Pow

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

EUG

(Contd. on page 8)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 7)

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, 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:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to

IMO instruments

Not applicable.

UN "Model Regulation":

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

(Contd. on page 9)

EUG

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 8)

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Department issuing SDS: Quality**Contact:**

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 10)

EUG

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.05.2023

Version number 1

Revision: 02.05.2022

Trade name ONEBOND SILICONE CONSTRUCTION

(Contd. of page 9)

IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
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 (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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