

**Gorilla Window and Door Frame Silicone Sealant White**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	Gorilla Window and Door Frame Silicone Sealant White
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not applicable.

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

Identified Use(s)	Sealants
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	Gorilla Glue Europe Ltd
Address of Manufacturer	26 Eaton Avenue Matrix Park Buckshaw Village Chorley Lancashire
Postal code	PR7 7NA
Telephone:	01257 241 319
E-mail	Eucustomer@gorillaglue.com
Office hours	08:30 - 17:00
Supplier	
Company Identification	GG Brands Netherlands B.V.
Address of Supplier	Lichttoren 32 5611 BJ Eindhoven
Telephone:	+31 85 064 4029
E-mail	Eucustomer@gorillaglue.com
Office hours	08:30-17:00

1.4 Emergency telephone number

Supplier Contact:	Stuart Shotton
Emergency Phone No.	+44 (0)843 507 1200
Northern Ireland:	NHS Direct
Emergency Phone No.	+44 111 (24 hours)
Republic of Ireland:	NPIC Ireland
Emergency Phone No.	+353 (0) 1 809 2166 (8am - 10pm)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

**Gorilla Window and Door Frame Silicone Sealant White**

Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous for supply.

2.2 Label elements

Product Name

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram(s)

Gorilla Window and Door Frame Silicone Sealant White

Signal Word(s)

None.

Hazard Statement(s)

None.

EUH210: Safety data sheet available on request.

EUH208: Contains: (4,5-dichloro-2-octyl- 2H-isothiazol-3-one) May produce an allergic reaction.

Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

Biocidal Products Regulation

Contains a biocide in order to protect the product. Active ingredient: 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5). Please follow all usage instructions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Distillates (petroleum), hydrotreated middle	64742-46-7	265-148-2	1-10	Asp. Tox. 1 H304	GHS08
Triacetoxyethylsilane	17689-77-9	241-677-4 01-2119881778-15-XXXX	1-5	Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1 H318 EUH014	GHS05 GHS07
Oligomeric ethyl and methyl acetoxysilanes			<2	Skin Corr. 1B H314 Eye Dam. 1 H318	GHS05
Titanium dioxide	13463-67-7	236-675-5 01-2119489379-17-XXXX	1-5	Not classified	None
4,5-dichloro-2-octyl- 2H- isothiazol-3-one	64359-81-5	264-843-8	<0.05	Acute Tox. 4 H302 Skin Corr. 1 H314 Skin Sens. 1A H317 Eye Dam. 1 H318 Acute Tox. 2 H330 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 EUH071	GHS06 GHS05 GHS07 GHS09

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HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit		M-factor	ATE
Triacetoxyethylsilane	17689-77-9				Acute Tox. 4 (H302) : 500
4,5-dichloro-2-octyl- 2H-isothiazol-3-one	64359-81-5	Skin Irrit. 2	C>= 0.025 < 5.00	Aquatic Acute 1: 100	Acute Tox. 4 (H302) : 567 (15th ATP) Acute Tox. 2 (H330) : 0.16 Dust (15th ATP)
		Skin Sens. 1A	C>= 0.0015 <= 100.00	Aquatic Chronic 1: 100	
		Eye Irrit. 2	C>= 0.025 < 3.00		

In contact with dampness, product separates a small quantity of Acetic acid (CAS No.: 64-19-7) which irritates skin and mucous membranes. The quantity of the acetic acid is not sufficient to contribute to the classification of the product.

Contains no non-classified vPvB substances.

Contains a non-classified substance with a Union workplace exposure limit. Titanium dioxide (13463-67-7)

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.
Skin Contact	Wash skin with water. If irritation develops and persists, get medical attention.
Eye Contact	Flush eyes with water for at least 15 minutes. If irritation develops and persists, get medical attention.
Ingestion	Wash out mouth with water. If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	Alcohol-resistant foam, Carbon dioxide, Water spray, Dry powder, Sand, Sprinkler system
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition. Decomposes in a fire giving off toxic fumes: Formaldehyde

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid contact with skin and eyes. Wear protective equipment to comply with good occupational hygiene practice. Wash hands and exposed skin after use.



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6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Caution - spillages may be slippery. Shut off leaks if without risk. Adsorb spillages onto sand, earth or any suitable adsorbent material. Sweep or shovel-up spillage and remove to a safe place. Transfer to a container for disposal. Flush spill area with copious amounts of water.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General hygiene measures for the handling of chemicals are applicable. Product may release acetic acid. Eliminate sources of ignition. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Wash hands and exposed skin after use. If medical advice is needed, have product container or label at hand. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry place. Keep container tightly closed and in a well-ventilated place.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Water, Alkalis, Alcohols - The reaction takes place with the formation of acetic acid.

7.3 Specific end use(s)

Sealants

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Titanium dioxide total inhalable	13463-67-7		10			
Titanium dioxide respirable	13463-67-7		4			
Acetic acid	64-19-7	10	25	20	50	

Region

United Kingdom

Source

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

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8.2.1. Appropriate engineering controls	Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.
8.2.2. Personal protection equipment	
 Eye Protection	Wear eye protection with side protection (EN ISO 16321-1).
 Skin protection	Wear impervious gloves (EN374). Recommended: Butyl rubber. Thickness of material: >0.3 mm, Breakthrough time: >480 minutes. Recommended: Nitrile rubber. Thickness of material: >0.1 mm, Breakthrough time: 60-120 minutes.
 Respiratory protection	Normally no personal respiratory protection is necessary. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
 Thermal hazards	Not applicable.
8.2.3. Environmental Exposure Controls	Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Paste.
Colour	White.
Odour	Acetic acid odour.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Non-flammable.
Lower and upper explosion limit	4-17% (Acetic acid)
Flash Point	108° C
Auto-ignition temperature	>400° C
Decomposition Temperature	>300° C
pH	Not known.
Kinematic Viscosity	>20.5 mm ² /s @ 40° C Dynamic viscosity : >1000000 mPa•s @ 23° C
Solubility	Solubility (Water) : Insoluble. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : 1 g/cm ³ @ 23° C, 1013 hPa

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Relative vapour density

Not known.

Particle characteristics

Not applicable.

9.2 Other information

Hydrolysis products reduce the flash point.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Heat and direct sunlight.

10.5 Incompatible materials

Water, Alkalis, Alcohols - The reaction takes place with the formation of acetic acid.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion

Calculation method : Not classified.

Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 24984.58

Acute toxicity - Skin Contact

Calculation method : Not classified.

Acute toxicity - Inhalation

Calculation method : Not classified.

Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 11428.57

Skin corrosion/irritation

Self classification: Not classified.

Non-irritant to rabbit skin. Source : Expert judgement

Serious eye damage/irritation

Self classification: Not classified.

Non-irritant to rabbit eyes. Source : Expert judgement

Skin sensitization data

Calculation method : Not classified.

It is not a skin sensitizer.

Contains: (4,5-dichloro-2-octyl-2H-isothiazol-3-one) May produce an allergic reaction.

Respiratory sensitization data

Calculation method : Not classified.

Germ cell mutagenicity

Calculation method : Not classified.

There is no evidence of mutagenic potential.

Carcinogenicity

Calculation method : Not classified.

No evidence of carcinogenicity.

Reproductive toxicity

Calculation method : Not classified.

No evidence of reproductive effects.

Lactation

Calculation method : Not classified.

STOT - single exposure

Calculation method : Not classified.

STOT - repeated exposure

Calculation method : Not classified.

Aspiration hazard

Self classification: Not classified.

**Gorilla Window and Door Frame Silicone Sealant White**Kinematic Viscosity >20.5 mm²/s @ 40° C**11.2 Information on other hazards**

Not known.

SECTION 12: ECOLOGICAL INFORMATION

The environmental hazard classification of this material is concluded by data available for the ingredients and the leachable amount of biocide in simulation tests in water. Based on available data no effects on aquatic organisms that are relevant for classification must be expected for the product up to its limits of water solubility.

12.1 Toxicity

Toxicity - Aquatic invertebrates

Source : Expert judgement

EC50 (48 hour) (Eastern oyster) : >1-<10 mg/l

NOEC (Reproduction rate) (Daphnia magna) : >1 mg/l

Toxicity - Fish

Source : Expert judgement

LC50 (96 hour) (Rainbow trout) : >10-<100 mg/l

NOEC (Early life stage test) (Rainbow trout) : >1 mg/l

Toxicity - Algae

Source : Expert judgement

ErC50 (24 hour) (Freshwater diatom) : >1-<10 mg/l

NOEC (Growth rate) (24 hour) (Freshwater diatom) : >1 mg/l

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

12.2 Persistence and degradability

No information on this formulation.

Polymer component : Biologically not degradable.

12.3 Bioaccumulative potential

No information on this formulation.

Polymer component : No adverse effects expected.

12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of empty containers and wastes safely. May be disposed of by landfill in accordance with local regulations. Incineration by an approved method could be considered.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

**Gorilla Window and Door Frame Silicone Sealant White****SECTION 14: TRANSPORT INFORMATION**

Not classified as hazardous for transport.

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Maritime transport in bulk according to IMO instruments

Not known

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances

Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Distillates (petroleum), hydrotreated middle (64742-46-7), Triacetoxymethylsilane (17689-77-9) - Entry 3, 4,5-dichloro-2-octyl- 2H-isothiazol-3-one (64359-81-5), Titanium dioxide (13463-67-7) - Entry 75

Community Rolling Action Plan (CoRAP)

Titanium dioxide (13463-67-7)

Regulation (EU) N° 2019/1021 of the

Not listed

European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 2024/590 on

Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the

Not listed

European Parliament and of the Council concerning the export and import of hazardous chemicals

Seveso Directive

None known.

Regulation (EU) N° 528/2012 of the

Contains a biocide: Contains 4,5-dichloro-2-octyl- 2H-isothiazol-3-one (PT07 – Film Preservatives)

European Parliament and of the Council

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concerning the making available on the market and use of biocidal products

National regulations

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

LEGEND

Hazard Pictogram(s)

GHS05: GHS: Corrosion

GHS06: GHS: Skull and crossbones

GHS07: GHS: Exclamation mark

GHS08: GHS: Health hazard

GHS09: GHS: Environment

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4

Asp. Tox. 1 : Aspiration hazard, Category 1

Skin Corr. 1 : Skin corrosion/irritation, Category 1

Skin Corr. 1B : Skin corrosion/irritation, Category 1B

Skin Sens. 1A : Skin sensitization, Category 1A

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Acute Tox. 2 : Acute toxicity, Category 2

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Hazard Statement(s)

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

EUH014: Reacts violently with water.

EUH071: Corrosive to the respiratory tract.

EUH210: Safety data sheet available on request.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of



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substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTCL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STCL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

Training Advice

Regular safety training as appropriate

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