

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 1 of 6 March 2020

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

1.1. Product identifier

Product name: WGE1

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

Identified uses Adhesive for PVC Cladding
Uses advised against None

1.3. Details of the supplier of the safety data sheet

Supplier Gradus Accessories
Park Green
Macclesfield
Cheshire
SK11 7LZ

1.4. Emergency telephone number

Emergency telephone 01625 428922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

VINYLTRIMETHOXYSILANE 1-5%

CAS number: 2768-02-7

EC number: 220-449-8

REACH registration number: 01-2119513215-52-0000

Classification

Flam. Liq. 3 - H226
Acute Tox. 4 - H332

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from source of contamination.

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 2 of 6 March 2020

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion Products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment

for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.4. Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

DNEL

VINYLTRIMETHOXYSILANE (CAS: 2768-02-7)

Workers - Inhalation; systemic effects: 4.9 mg/m³

Workers - Dermal; systemic effects: 0.69 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 1.04 mg/m³

Consumer - Inhalation; Short term systemic effects: 93.4 mg/m³

Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day

Consumer - Dermal; Short term systemic effects: 26.9 mg/kg/day

Consumer - Dermal; Long term systemic effects: 0.3 mg/kg/day

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 3 of 6 March 2020

PNEC
 Fresh water; 0.34 mg/l
 marine water; 0.034 mg/l
 Intermittent release; 3.4 mg/l
 Sediment (Freshwater); 0.27 mg/kg
 Soil; 0.046 mg/kg
 STP; 110 mg/l

8.2. Exposure controls Protective equipment



Appropriate engineering controls Eye/face protection

Provide adequate ventilation.
 If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Provide eyewash station.

Respiratory protection

No specific recommendations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Beige.
Odour	Slight.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not applicable.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Other flammability

Not applicable.

Vapour pressure

Not determined.

Vapour density

Not determined.

Relative density

1.58 approx. @ 20°C

Bulk density

Not determined.

Solubility(ies)

Insoluble in water.

Partition coefficient

Not determined.

Auto-ignition temperature

Not applicable.

Decomposition Temperature

Not determined.

Viscosity

2600 P @ 20°C

Explosive properties

Not applicable.

Explosive under the influence of a flame

Not considered to be explosive.

Oxidising properties

Not determined.

Comments

Information given is applicable to the product in its ready-to-use form.

9.2. Other information

Other information

None.

Refractive index

Not determined.

Particle size

Not applicable.

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 4 of 6 March 2020

Molecular weight	Not determined.
Volatility	Not determined.
Saturation concentration	Not applicable.
Critical temperature	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No information available.

Acute toxicity – oral

Notes (oral LD₅₀) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD₅₀)

No specific test data are available.

Acute toxicity inhalation

Notes (inhalation LC₅₀)

No specific test data are available.

ATE inhalation (vapours mg/l)

510.73

Skin corrosion/irritation

Not irritating.

Animal data

No specific test data are available.

Human skin model test

No specific test data are available.

Extreme pH

No specific test data are available.

Serious eye damage/irritation

No specific test data are available.

Respiratory sensitisation

No specific test data are available.

Skin sensitisation

No specific test data are available.

Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity – fertility

Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity – development

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure

Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

General information

No specific health hazards known.

Inhalation

No specific health hazards known.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact

May cause temporary eye irritation.

Acute and chronic health hazards

No specific health hazards known.

Medical symptoms

No specific symptoms known.

SECTION 12: Ecological information

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity

Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity – fish

No specific test data are available.

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 5 of 6 March 2020

Acute toxicity – aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity – microorganisms	Not determined.
Acute toxicity – terrestrial	Not determined.
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	Not determined.
Short term toxicity – embryo and sac fry stages	Not determined.
Chronic toxicity – aquatic invertebrates	Not determined.
12.2. Persistence and degradability	
Persistence and degradability	There are no data on the degradability of this product.
Photo transformation	Not determined.
Stability (hydrolysis)	Not determined.
Biodegradation	Not determined.
Biological oxygen demand	No specific test data are available.
Chemical oxygen demand	No specific test data are available.
12.3. Bio accumulative potential	
Bio accumulative potential	No data available on bioaccumulation.
Partition coefficient	Not determined.
12.4. Mobility in soil	
Mobility	The product is non-volatile.
Adsorption/desorption coefficient	Not determined.
Henry's law constant	Not determined.
Surface tension	Not determined.
12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
12.6. Other adverse effects	
Other adverse effects	None known.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Disposal methods	Collect and place in suitable waste disposal containers and seal securely. Dispose of waste product or used containers in accordance with local regulations
SECTION 14: Transport information	
General	
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
14.1. UN number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	No transport warning sign required.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	
Environmentally hazardous substance/ 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	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

WGE1 – Wall Cladding Adhesive

Data Sheet: Page 6 of 6 March 2020

SECTION 15: Regulatory information

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

National regulations	Control of Substances Hazardous to Health regulations 2002 (as amended).
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product

15.2. Chemical safety assessment

SECTION 16: Other information

Key literature references and sources for data

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

Revision comments	This is the first issue.
Revision date	24/07/2019
Revision	1
SDS number	21072
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H332 Harmful if inhaled.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.