

TRIGRIP HIGH TACK HYBRID POLYMER ADHESIVE

Product Name:	TriGrip High Tack Hybrid Polymer Adhesive 1345237 Rev.1
Revision Date:	01-Mar-2022 According to Regulation (EC) No. 1907/2006

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name:	TriGrip High Tack Hybrid Polymer Adhesive
Type of Product:	Adhesives, Sealants
Pure Substance/Mixture:	Mixture

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

1.2.1. Relevant Identified Uses

- Intended for general public
- Use of the substance/mixture: Construction industry, both indoors and outdoors as an elastic adhesive and sealant.

1.2.2. Uses Advised Against

- No additional information available

1.3. Details of the supplier of the safety data sheet

Tricel Composites (GB) Limited

Unit A, Foxway,
Off Atkinson Street,
Leeds, West Yorkshire,
LS10 1PS.
Tel: +44 (0)113 270 3133

Tricel Composites (NI) Limited

Unit 4, Milltown Ind. Estate, Greenan
Road. Warrenpoint, Newry
Co. Down,
BT34 3FN.
Tel: +44 (0)284 175 3738

1.4. Emergency Telephone Number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.
Telephone Number: +353 (0)1 809 2166

Leeds:	Newry:
Tel: +44 (0)113 270 3133	Tel: +44 (0)284 175 3738

1.4.1. Poison Information Centre Telephone Number

European emergency phone number: 112

UK: National Poisons Emergency Number : 0344 892 0111

Ireland: National Poisons Information Centre (NPIC) Telephone Healthcare Professionals : +353 (01) 809 2566. (24 hour service) Telephone Members of Public: +353 (01) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

2. Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal Word (CLP): -

2.2.1. Precautionary Statements (CLP)

P102 - Keep out of reach of children

2.2.2. EUH-statements

EUH210 - Safety data sheet available on request.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208 - Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, trimethoxyvinylsilane. May produce an allergic reaction.

Child-resistant fastening

Not applicable

Tactile Warning

Not applicable

2.3. Other Hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

3. Composition/Information on Ingredients

3.1. Substance

Not Applicable

3.2. Mixture

Name	Product identifier	%	Classification according to
			Regulation (EC) No.

			1272/2008 [CLP]
Titanium Dioxide	(CAS-No.) 13463-67-7	>1-<2	Carc. 2, H351
(Note 10)	(EC-No.) 236-675-5		
	(EC Index-No.) 022-006-00-2		
	(REACH-no) 01-2119489379-17-		
	0005 01-2119489379-17-0006		
	01-2119489379-17-0018		
trimethoxyvinylsilane	(CAS-No.) 2768-02-7	>0.1-<1	Skin Sens. 1B, H317
	(EC-No.) 220-449-8		
	(REACH-no) 01-2119513215-52-0002		
Reaction mass of bis(1,2,2,6,6-	(CAS-No.) 82919-37-7	>0.1-<	Skin Sens. 1, H317
pentamethyl-4-piperidyl) sebacate and	(REACH-no) 01-2119491304-40	0.5	Aquatic Acute 1, H400
methyl 1,2,2,6,6-pentamethyl-4-piperidyl			Aquatic Chronic 1, H410

Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$. Full text of H- and EUH-statements: see section 16

4. First Aid Measures

4.1. Description of First Aid Measures

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution

First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically

5. Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special Hazards Arising from the Substance or Mixture

Hazardous decomposition products in case of: Toxic fumes may be released case of fire

5.3. Advice for Firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete Protective Clothing.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency Procedures:
Ventilate Spillage Area

6.1.2. For emergency responders

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental Precautions

Avoid Release to the Environment

6.3. Methods and Material for Containment and Cleaning Up

Methods for cleaning up: Recover mechanically the product.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. Handling and Storage

7.1. Precautions for safe handling

7.1.1. Precautions for safe handling

- Ensure good ventilation of the work station.
- Wear personal protective equipment.

7.1.2. Hygiene measures

- Do not eat, drink or smoke when using this product. Always wash hands after handling the product

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

- Store in a well-ventilated place.
- Keep cool

7.2.1. 7.3 Specific End Use(s)

No additional information available

8. Exposure Controls/Personal Protection

Control Parameters

Titanium Dioxide (13463-67-7)		
Belgium	OEL TWA	10 mg/m ³
France	VME (OEL TWA)	10 mg/m ³
Germany	Notes	
United Kingdom	WEL TWA (OEL TWA) [1]	10 mg/m ³ 4 mg/m ³
USA - ACGIH	ACGIH OEL TWA	10 mg/m ³

8.1. Exposure Controls

Appropriate Engineering Controls: Ensure good ventilation of the work station

Hand Protection: Protective gloves

Eye Protection: Safety Glasses

Skin and body protection: Wear suitable protective clothing

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Avoid Release to the environment

Personal Protective Equipment Symbols(s):



9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

MATERIAL SAFETY DATA SHEET

Appearance	: Paste.
Colour	: Grey.
Odour	: slight
Odour threshold	: No data available
Ph	: No data available
Relative Evaporation Rate (butylacetate = 1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available

Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	1.58 g/cm ³ ±0,03
Solubility:	insoluble in water
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits	: No data available

10. Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

11.1. Information on toxicological effects

- Acute Toxicity: Not classified

trimethoxyvinylsilane (2768-02-7)	
LD50 oral Rat	7120 – 7236 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit)	3259 – 3880 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Female, Converted value, Dermal, 14 day(s))
LC50 Inhalation – Rat	16.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
Titanium Dioxide (13463-67-7)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male /

	female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))

- Skin Corrosion/Irritation: Not Classified
- Serious Eye Damage/Irritation: Not Classified
- Respiratory or Skin Sensitisation: Not Classified
- Germ cell mutagenicity: Not Classified
- Carcinogenicity: Not Classified

Titanium Dioxide (13463-67-7)	:	
IARC group	:	2B - Possibly carcinogenic to humans

- Reproductive toxicity: Not Classified
- STOT-single exposure: Not Classified
- STOT-repeated exposure: Not Classified
- Aspiration hazard: Not Classified

12. Ecological Information

12.1. Toxicity

Ecology – general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	191 mg/l (96 h, Oncorhynchus mykiss, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	168.7 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

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Titanium Dioxide (13463-67-7)	
LC50 - Fish [1]	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus
	mykiss, Static system, Fresh water, Experimental value, Nominal
	concentration)
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata
	(previous names: Raphidocelis subcapitata, Selenastrum
	capricornutum)
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata,
	Static
	system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and Degradability

trimethoxyvinylsilane (2768-02-7)	
Persistence and degradability	Not readily biodegradable in water.

Titanium Dioxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative Potential

trimethoxyvinylsilane (2768-02-7)	
Partition coefficient n-octanol/water (Log	

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Pow)	1.1 (QSAR, KOWWIN, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Titanium Dioxide (13463-67-7)

Bioaccumulative potential	Not bioaccumulative.
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12.4. 12.4 Mobility in Soil

trimethoxyvinylsilane (2768-02-7)	
Ecology - soil	No (test) data on mobility of the substance available

Titanium Dioxide (13463-67-7)

Surface tension	No data available in the literature	
Ecology - soil	Low potential for mobility in soil.	

12.5. Results of PBT and vPvB assessment

Component	
Titanium Dioxide (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH
	regulation, annex XIII
trimethoxyvinylsilane (2768-02-7)	This substance/mixture does not meet the vPvB criteria of REACH
trimethoxyvinylsilane (2768-02-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
Titanium Dioxide (13463-67-7)	This substance/mixture does not meet the vPvB criteria of REACH

13. Disposal Considerations

13.1. Waste Treatment Methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transport Information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number or ID number

- UN-No. (ADR): Not applicable
- UN-No. (IMDG): Not applicable
- UN-No (IATA): Not applicable
- UN-No. (AND): Not applicable

14.2. UN number or ID number

- Proper Shipping Name (ADR): Not applicable
- Proper Shipping Name (IMDG): Not applicable
- Proper Shipping Name (IATA): Not applicable
- Proper Shipping Name (ADN) : Not applicable
- Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es)

- Transport Hazard Class(es)(ADR): Not applicable
- Transport Hazard Class(es)(IMDG): Not applicable
- Transport Hazard Class(es)(IATA): Not applicable
- Transport Hazard Class(es)(AND): Not applicable
- Transport Hazard Class(es)(RID): Not applicable

14.4. Packing group

- Packing Group (ADR): Not Applicable
- Packing Group (IMDG): Not Applicable
- Packing Group (IATA): Not Applicable
- Packing Group (AND): Not Applicable
- Packing Group (RID): Not Applicable

14.5. Environmental hazards

- Dangerous for the Environment: No
- Marine pollutant: No
- Other Information: No supplementary information available

14.6. Special precautions for user

Overland transport: Not applicable

Transport by Sea: Not applicable

Air Transport: Not applicable

Inland Waterway Transport: Not applicable

Rail Transport: Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

15. Regulatory Information

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

15.1.1. EU Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Regulatory Reference: WGK 1, Slightly hazardous to water (Classification according to AwSV; Annex 1)

Hazardous Incident Ordinance (12 BImSchV): Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: None of the components are listed

SZW-lijst van mutagene stoffen: None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding: None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid: None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling: None of the components are listed

Denmark

Danish National Regulations: The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

Switzerland

Storage class (LK): LK 10/12 – Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other Information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by
	Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by
	Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value

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BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard

IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant

MATERIAL SAFETY DATA SHEET

ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
VPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources:

Classification according to Regulation (EC) No. 1272/2008 [CLP]. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH208	Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, trimethoxyvinylsilane. May produce an allergic reaction
EUH210	Safety data sheet available on request
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet