



## SAFETY DATA SHEET

### Tuskbond Greenbond Artificial Grass Adhesive

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** Tuskbond Greenbond Artificial Grass Adhesive  
**Container size** 300ml

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

**Identified uses** Adhesive

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Sanglier Limited  
 Shelley Close  
 Lowmoor Business Park  
 Kirkby in Ashfield  
 NG17 7JZ  
 Tel: 01623 722661 (Mon-Fri 09:00-17:00)  
 Fax: 01623 885971  
 Email: info@tuskbond.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** UK +44 (0) 1623 722661 (Mon-Fri 09:00-17:00)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Eye Irrit. 2 - H319  
**Environmental hazards** Not Classified

**Human health** Not classified as a dangerous substance

**Environmental** The product is not expected to be hazardous to the environment.

##### 2.2. Label elements

###### Pictogram



**Signal word** Warning

## Tuskbond Greenbond Artificial Grass Adhesive

**Hazard statements** EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.  
H319 Causes serious eye irritation.

**Precautionary statements** P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/ attention.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Trimethoxyvinylsilane</b>			<b>5-10%</b>
CAS number: 2768-02-7	EC number: 220-449-8	REACH registration number: 01-2119513215-52-xxxx	
<b>Classification</b>			
Flam. Liq. 3 - H226 Acute Tox. 4 - H332			
<b>3-(Trimethoxysilyl)propylamine</b>			<b>1-5%</b>
CAS number: 13822-56-5			
<b>Classification</b>			
Skin Irrit. 2 - H315 Eye Dam. 1 - H318			
<b>Diocetyl tin oxide</b>			<b>&lt;1%</b>
CAS number: 870-08-6	EC number: 212-791-1		
<b>Classification</b>			
Flam. Liq. 3 - H226 Repr. 2 - H361 STOT RE 1 - H372			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Consult a physician for specific advice.

**Ingestion** Do not induce vomiting.

**Skin contact** Wash skin thoroughly with soap and water. Remove contaminated clothing.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

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

## Tuskbond Greenbond Artificial Grass Adhesive

<b>Inhalation</b>	May cause irritation.
<b>Ingestion</b>	There maybe irritation of the throat.
<b>Skin contact</b>	There may be mild irritation at site of contact.
<b>Eye contact</b>	There may be irritation and redness.

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

<b>Notes for the doctor</b>	Show this safety data sheet to the doctor in attendance.
-----------------------------	--

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
-------------------------------------	---

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	In combustion emits toxic gases.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	In the event of fire, wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.
-----------------------------	---

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
----------------------------------	---

### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb spillage with sand or other inert absorbent. Flush contaminated area with plenty of water. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses.
--------------------------------	---

### 6.4. Reference to other sections

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
------------------------------------	---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Provide adequate ventilation. Avoid eating, drinking and smoking when using the product. Wear appropriate personal protective equipment (see Section 8)
--------------------------	---

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry and cool place.
<b>Storage class</b>	Unspecified storage.

### 7.3. Specific end use(s)

## Tuskbond Greenbond Artificial Grass Adhesive

**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

##### Occupational exposure limits

No data available.

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

**Personal protection**

Wear protective work clothing.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

**Other skin and body protection**

Provide eyewash station. Wear suitable gloves if prolonged or repeated skin contact is likely

**Hygiene measures**

Ensure suitable ventilation of area. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash promptly with soap and water if skin becomes contaminated.

**Respiratory protection**

Not usually necessary under normal working conditions.

**Thermal hazards**

Not applicable

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Paste.
<b>Colour</b>	Green.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.

## Tuskbond Greenbond Artificial Grass Adhesive

<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.2-1.6 @ 20°C
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	7 x 10 <sup>-6</sup> m <sup>2</sup> /s @ 40°C
<b>Explosive properties</b>	Not available.

### 9.2. Other information

<b>Volatile organic compound</b>	Not available.
----------------------------------	----------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	Stable under recommended transport or storage conditions.
-------------------	---

### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
------------------	---

### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No known hazardous reactions if stored under normal conditions.
---	---

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	None known.
----------------------------	-------------

### 10.5. Incompatible materials

<b>Materials to avoid</b>	None known.
---------------------------	-------------

### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	None known.
---	-------------

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components and read across to EC Directive 1272/2008 and its subsequent ATPs.
------------------------------	---

### Acute toxicity - inhalation

## Tuskbond Greenbond Artificial Grass Adhesive

ATE inhalation (vapours mg/l) 168.07

### Toxicological information on ingredients.

#### Trimethoxyvinylsilane

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 7,120.0

Species Rat

ATE oral (mg/kg) 7,120.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 3,600.0

Species Rabbit

ATE dermal (mg/kg) 3,600.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 16.79

Species Rat

ATE inhalation (vapours mg/l) 16.79

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

**Toxicity** Not regarded as dangerous for the environment

### Ecological information on ingredients.

#### Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

##### Chronic aquatic toxicity

M factor (Chronic) 1

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

#### 12.4. Mobility in soil

## Tuskbond Greenbond Artificial Grass Adhesive

**Mobility** The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport information

**General** This product is not classified as Dangerous for Carriage

### 14.1. UN number

Not classified.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not classified.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

No information required.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## SECTION 15: Regulatory information

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

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

**EU legislation** 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 (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

## Tuskbond Greenbond Artificial Grass Adhesive

<b>Guidance</b>	Safety Data Sheets for Substances and Preparations.
<b>Authorisations (Title VII Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Title VIII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Technical Department
<b>Revision date</b>	06/02/2019
<b>Revision</b>	5
<b>Supersedes date</b>	15/11/2017
<b>SDS number</b>	21559
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

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.