

MATERIAL SAFETY DATA SHEET

Verde Grass-Bond All-Weather Adhesive

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Revision No. 1

1) Identification of the Substance/Preparation and of the Company/Undertaking

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Product Name: Verde Grass-Bond All-Weather
Use of Substance/Preparation: Adhesive

2) Hazards Identification

Main Hazards: Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation.
Other Hazards: In use, may form flammable / explosive vapour-air mixture.

3) Composition/Information on Ingredients

Hazardous Ingredients:

- DICHLOROMETHANE 10-30%
EINECS: 200-838-9 CAS: 75-09-2
[Xn] R40
- * ETHYL ACETATE 10-30%
EINECS: 205-500-4 CAS: 141-78-6
F] R11; [Xi] R36; [-] R66; [-] R67

4) First Aid Measures (Symptoms)

Skin Contact: There may be mild irritation at the site of contact.
Eye Contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.
Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

5) First Aid Measures (Action)

Skin Contact: Wash immediately with plenty of soap and water.
Eye Contact: Bathe the eye with running water for 15 minutes. .
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is ok, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5) Fire-Fighting Measures

- Extinguishing Media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure Hazards:** In combustion emits toxic fumes.
- Protection of Fire-Fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6) Accidental Release Measures

- Personal Precautions:** If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental Precautions:** Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas. Contain the spillage using bunding.
- Clean-up Procedures:** Clean-up should be dealt with only by qualified personnel familiar with specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7) Handling and Storage

- Handling Requirements:** Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.
- Storage Conditions:** Store in cool, well ventilated area. Keep container tightly closed.

8) Exposure Controls/Personal Protection

Workplace Exposure Limits

WEL (8 hr exposure limit): 0.02mg/m³

WEL (15 min exposure limit): 0.07mg/m³

Hazardous Ingredients: DICHLOROMETHANE
WEL (8 hr TWA): 350 mg/m³ WEL (15 min STEL): 1060 mg/m³
* ETHYL ACETATE
WEL (8 hr TWA): 200 ppm WEL (15 min STEL): 400 ppm

Engineering Measures: Ensure there is exhaust ventilation of the area.

Respiratory Protection: If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used

Hand Protection: Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves.

Eye Protection: Safety glasses. Ensure eye bath is to hand.

Skin Protection: Protective clothing.

9) Physical and Chemical Properties

- State:** Liquid
- Colour:** Pale brown
- Odour:** Characteristic odour
- Evaporation Rate:** Fast
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in Water:** Reacts with water
- Viscosity:** Non-viscous
- Boiling point/range°C:** 1.1
- Relative Density:** 1.1

10) Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat. Hot Surfaces. Flames.
Materials to Avoid:	Strong oxidising agents. Strong acids. Aluminium
Hazardous/Decomp. Products:	In combustion emits toxic fumes.

11) Toxicological Information

Hazardous Ingredients:	DICHLOROMETHANE ORL MUS LD50 4770 mg/kg ORL RAT LD50 5350 mg/kg SCU MUS LD50 6460 mg/kg * ETHYL ACETATE ORL MUS LD50 4100 mg/kg ORL RAT LD50 5620 mg/kg SCU RAT LDLO 5 gm/kg
Chronic Toxicity:	Danger of very serious irreversible effects through inhalation.
Routes of Exposure:	Refer to Section 4 of SDS for routes of exposure and corresponding symptoms.

12) Ecological Information

Mobility:	Volatile.
Persistence and Degradability:	Biodegradable in part only.
Bioaccumulative Potential:	No data available.

13) Disposal Considerations

Disposal Operations:	Arrange for disposal by a licenced waste disposal company.
Disposal of Packaging:	Arrange for disposal by a licenced waste disposal company.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14) Transport Information

ADR/RID

UN No:	2810	ADR Class:	6.1
Packing Group:	III	Classification Code:	T1
Shipping Name:	TOXIC LIQUID, ORGANIC, N.O.S.		
Labelling:	6.1	Hazard ID No:	60



IMDG/IMO

UN No:	2810	Class:	6.1
Packing Group:	III	EmS:	F-A,S-A
Marine Pollutant:	-		
Labelling:	6.1		

IATA/ICAO

UN No: 3082
Packing Group: III
Packing Instructions: 611 (P&CA); 618(CAO)
Labelling: 6.1

Class: 6.1

15) Regulatory Information

Hazard Symbols: Harmful.



Risk Phrases: R40: Limited evidence of a carcinogenic effect.
R42: May cause sensitisation by inhalation.

Safety Phrases: S23: Do not breathe fumes.
S36/37: Wear suitable protective clothing and gloves.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S45: In case of accident, or if you feel unwell, seek medical advice immediately (show the label where possible).
S53: Avoid exposure – obtain special instructions before use.
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.
S29/35: Do not empty into drains; dispose of this material and its container in a safe way.

Precautionary Phrases: Contains isocyanates. See information supplied by the manufacturer.
Can become highly flammable in use.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet.
The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16) Additional Information

Risk Phrases used in s.3: R40: Limited evidence of carcinogenic effect.
R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

This product should be used as directed by Verde Sports Ltd. For further information consult the application data sheet.

This Safety Data Sheet was compiled using the current safety information supplied by the distributors of the component materials. This leaflet may contain inappropriate information under particular conditions of use.