

SAFETY DATA SHEET According

Verde Lawnfix

REVISION DATE: 13/04/2015

VERSION: 3

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

1.1 Trade name:

Verde Lawnfix

1.2 Relevant identified uses of the substance:

PC1: Adhesive

1.3 Company: Details

Verde Sports Ltd
Gabbotts Farm Barn
Bury Lane
Withnell, Chorley
Lancashire PR6 8SW

Telephone:

01254 831666

E-mail address:

sales@verdesports.com

1.4 Emergency Telephone Number:

01254 831666 (Mon-Fri 9am – 5pm)

SECTION 2: Hazards Identification

2.1 Classification of the substance/mixture

Classification under CHIP:

Classification under CLP:

Xn: R20; Xi: R36/37/38; Xn: R40; Sens: R42/43; Xn R48/20;
Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens 1: H334; Skin Irrit. 2:
H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 2: H371;
STOT SE 3: H335

Most Adverse Effects:

Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

2.2 Label elements

Label elements under CLP:

Hazard Statements:

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335: May cause respiratory irritation
H351: Suspect of causing cancer
H373: May cause damage to organs through prolonged exposure or repeated exposure

Signal Words:

Danger

Hazard Pictograms:

GHS07: Exclamation mark GHS08: Health Hazard



Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

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P280: Wear protective gloves/protective clothing/eye protection / face protection
P285: In case of inadequate ventilation wear respiratory protection.
P304 + 341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P281: Use personal protective equipment as required
P501: Dispose of contents/container to national regulations

Label elements under CHIP:

Hazard Symbols:

Harmful



Risk Phrases:

R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin.
R40: Limited evidence of carcinogenic effect
R42/43: May cause sensitisation by inhalation and skin contact
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

Safety Phrases:

S23: Do not breathe vapour
S36/37: Wear suitable protective clothing and gloves
S45: In case of accident or if you feel unwell, seek medical advice immediately (Show label where possible)
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Precautionary Phrases:

Contains isocyanates.
See information supplied by the manufacturer.
Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact with this product.
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e type A1 according to standard EN 14387) is used.

2.3 Other Hazards

PBT:

This product is not identified as a PBT/vPvB substance

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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous Ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) - REACH registered number(s): 01-2119457024-46-0006, 01-2119457024-46-0007

EINECS - CAS 9016-87-9

CHIP Classification Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20

CLP Classification - Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335;

Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317

PERCENT 30/50%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be irritation and redness at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely
Ingestion:	There may be soreness and redness of the mouth and throat
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / Special Treatment:	Eye bathing equipment should be available on the premises.
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SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes

5.3 Advice for Firefighters

Advice for firefighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions, Protective Equipment & Emergency Procedures**

Personal Precautions: Refer to section 8 of SDS for personal protection details. 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. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental Precautions: Do not discharge into rivers, drains and lakes. Contain the spillage using bunding.

6.3 Methods & Materials for containment and cleaning up

Methods for cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING & STORAGE**7.1 Precautions for safe handling**

Handling requirements Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any compatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific use(s): Adhesive

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION8.1 Control Parameters**Hazardous ingredients****DIPHENYLMETHANE DIISOCYANATE (ISOMERS & HOMOLOGUES)**

Workplace exposure limits: 8 Hour TWA 0.02/mg/m³
15 min. STEL 0.07mg/m³

DNEL/PNEC Values No data available

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

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: Protective gloves, Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves, for low exposure use nitrile gloves. The user has a legal duty to carry out a COSHH risk assess to determine the correct glove.

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

Skin protection: Protective clothing

Environmental: No special requirement

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES9.1 Information on basic physical and chemical properties.

State: Paste
Colour: Green
Odour: Barely perceptible odour
Evaporation Rate: Slow
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Reacts with water
Viscosity: Viscous

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9.2 Other Information

No data available

SECTION 10: STABILITY AND REACTIVITY10.1 Reactivity

Stable under recommended transport or storage conditions

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

In combustion emits toxic fumes

Section 11: TOXICOLOGICAL INFORMATION11.1 Information on toxicological effects**Toxicity Values**

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>10000	Mg/kg
DERMAL	RBT	LD50	>9400	Mg/kg

Hazardous Ingredients:**DIPHENYLMETHANE DIISOCYANATE (ISOMERS & HOMOLOGUES)**

ORAL	RAT	LD50	10,000	Mg/kg
SKN	RBT	LD50	5,000	Mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute Toxicity	INH	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

Symptoms / routes of exposure**Skin contact:**

There may be irritation & redness at the site of contact

Eye contact:

There may be irritation & redness. The eyes may water profusely

Ingestion:

There may be soreness & redness of the mouth & throat

Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/immediate effects:

Immediate effects to be expected after short term exposure

Other information:

Not applicable

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Ecotoxicity values**

Species	Test	Value	Units
FISH	96H LC50	>1000	Mg/l

12.2 Persistence & Degradability**Persistence & Degradability**

Not biodegradable

12.3 Bioaccumulative potential**Bioaccumulative potential**

Bioaccumulation potential

12.4 Mobility in Soil**Mobility**

Readily absorbed into soil

12.5 Results of PBT and vPvB assessment:**PBT Identification:**

This product is not identified as a PBT/vPvB substance.

12.6 Other Adverse Effects**Other adverse effects**

Toxic to aquatic organisms. Toxic to soil organisms.

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

Disposal operations:

Transfer to a suitable container and arrange for collection by specialised 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.

SECTION 14: Transport Information

Transport Class:

This product does not require a classification for transport.

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SECTION 15: REGULATORY INFORMATION

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

Specific Regulations:

This product is classified as a mixture. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used

15.2 Chemical Safety Assessment

Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Other Information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010, using the current safety information supplied by the distributors of the component materials. This leaflet may contain inappropriate information under particular conditions of use

Phrases used in s.2 & 3:

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
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H335: May cause respiratory irritation
H351: Suspect of causing cancer
H373: May cause damage to organs through prolonged exposure or repeated exposure
R20: Harmful by inhalation
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R36/38: Irritating to eyes and skin
R40: Limited evidence of carcinogenic effect
R42/43: May cause sensitisation by inhalation and skin contact
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

Legal Disclaimer:

This product is for professional use only and should be used as directed by Verde Sports Ltd. For further information consult the application data sheet. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

SAFETY DATA SHEET According to Regulation (EC) NO. 1907/2006

Verde Grass Stick

REVISION DATE 12.11.2015

VERSION 1.2