

Date Wednesday, March 23, 2022

# Material Safety data sheet

## 1. Substance/preparation and company identification

### **Vert max Duo™**

Use: Turf pigment plus plant health benefits

#### Supplier:

Gilba Solutions Pty Ltd (ABN 87163656228)  
Unit 3/433 Maroubra Road, Maroubra  
NSW 2035, AUSTRALIA  
Telephone: 04999 75819

#### Emergency information:

Emergency Advice Number: 04999 75819

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## 2. Hazard identification

No particular hazards known.

NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

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### 3. Composition/information on ingredients

#### Chemical nature

Ingredients	CAS Number	Classification	Content (W/W):
C.I. Pigment Green 7	1328-53-6		< 50 %
6 Benzylamino-purine	1214-39-7	Irritating to eyes, respiratory system and skin	<1%
Salicylic acid	69-72-7	harmful, irritant	20-25%
D glucopyranose Alkyl glycoside	110615-47-9	skin irritation	6-12%
D glucopyranose decyl octyl glycoside	68515-73-1	skin irritation	3-6%
Water	7732-18-5		Up to 100%

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### 4. First-Aid Measures

General advice:

Remove and wash contaminated clothing.

If inhaled:

No emergency medical treatment necessary.

On skin contact:

Wash thoroughly with soap and water. If swelling, redness, blistering or irritation occurs seek medical assistance.

On contact with eyes:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. after the first 5 minutes. Continue rinsing. Immediately call POISONS CENTRE/doctor.

If skin irritation occurs: get medical advice/attention.

Take off contaminated clothing and wash before use.

On ingestion:

Rinse mouth and then drink plenty of water. If swallowed, do NOT induce vomiting. Call a physician.

**Note to physician:**

Symptoms: No significant reaction of the human body to the product known.

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

**Hazchem code:** None allocated.

**Suitable extinguishing media:** water spray, dry powder, foam, carbon dioxide

**Unusual Fire and Explosion hazard:** Will not burn until water has evaporated. Residue can burn.

**Specific hazards:**

Emits toxic fumes under fire conditions. The substances/groups of substances mentioned can be released in case of fire. Carbon monoxide/carbon dioxide. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Advice for fire fighters:** Keep people away. Isolate fire to deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

**Special protective equipment:**

Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:**

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

**Personal precautions:** Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

**Environmental precautions:** Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Methods for cleaning up or taking up:** For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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## 7. Handling and Storage

### **Handling**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

### **Protection against fire and explosion:**

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### **Storage**

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

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## 8. Exposure controls and personal protection

Components with occupational exposure limits no exposure standard allocated

Personal protective equipment **Respiratory protection:** Respiratory protection not required.

### **Hand protection:**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

**Eye protection:** Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:** Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	blue
Odour:	slight to no odour
pH value:	approx. 7.5 approximately (20 °C)
Melting temperature:	approx. 0 °C. Information applies to the solvent.
boiling temperature:	approx. 100 °C. Information applies to the solvent.
Flash point:	> 100 °C
Flammability:	not applicable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	Based on the water content the product does not ignite.
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.
Vapour pressure:	not determined
Density:	approx. 1.0 - 1.3 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	not applicable
Solubility in water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity:	pourable

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## 10. Stability and Reactivity

Conditions to avoid:  
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid: strong acids, strong bases, strong oxidizing agents

Hazardous reactions: No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### **Acute toxicity**

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

### **Irritation**

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

### **Sensitization**

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

### **Repeated dose toxicity**

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. No substance-specific organotoxicity was observed after repeated administration to animals.

### **Genetic toxicity**

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### **Carcinogenicity**

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

### **Reproductive toxicity**

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### **Developmental toxicity**

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

**Other relevant toxicity information:** Misuse can be harmful to health.

## 12. Ecological Information

Avoid contaminating waterways

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations. Contaminated packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

**Domestic transport:** Not classified as a dangerous good under transport regulations

**Sea transport  
IMDG** Not classified as a dangerous good under transport regulations

**Air transport  
IATA/ICAO** Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

Poisons Schedule: Not scheduled

### **Regulations of the European union (Labelling)**

EEC Directives: The product does not require a hazard warning label in accordance with EC Directives.

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in section 3:

Xn	Harmful.
N	Dangerous for the environment.
22	Harmful if swallowed.
38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
50	Very toxic to aquatic organisms.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.