

# MATERIAL SAFETY DATA SHEET

## 12MM MEDIUM PINE BARK

LAST REVIEWED  
22 FEBRUARY 2019

### SECTION ONE: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>PRODUCT NAME</b>	12mm Medium Pine Bark
<b>RECOMMENDED USE</b>	For use as a horticultural growing medium
<b>SUPPLIER</b>	Fitonia Pty Ltd as trustee for The Silverspring Trust trading as T.J. Depiazzi & Sons
<b>ADDRESS</b>	148 Depiazzi Road Dardanup WA 6236
<b>TELEPHONE</b>	(08) 9728 1152

### SECTION TWO: HAZARD(S) IDENTIFICATION

<b>HAZARD CLASSIFICATION</b>	Not designated as Hazardous per the List of Designated Hazardous Substances [NOHSC:10005(1994)]
<b>DANGEROUS GOODS CLASSIFICATION</b>	Not classified as Dangerous Goods by the ADG Code

### SECTION THREE: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION OF INGREDIENTS
Pine bark fines	None allocated	100%

### SECTION FOUR: FIRST AID MEASURES

<b>INGESTION</b>	Rinse mouth with water. If abdominal symptoms occur, seek medical attention.
<b>INHALATION</b>	Remove affected person from exposure to a well-ventilated area. If irritation persists, seek medical attention.
<b>SKIN CONTACT</b>	Wash skin with soap and water. If irritation persists, seek medical attention.
<b>EYE CONTACT</b>	Irrigate eyes with plenty of water for 10 minutes. If irritation persists, seek medical attention.

### SECTION FIVE: FIREFIGHTING MEASURES

<b>FLAMMABILITY</b>	Non-flammable
<b>EXTINGUISHING MEDIA</b>	Water or Class A extinguishers for firefighting if necessary
<b>HAZCHEM CODE</b>	None allocated

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### SECTION SIX: ACCIDENTAL RELEASE MEASURES

**METHOD & MATERIALS FOR CONTAINMENT & CLEAN UP** Wear suitable protective clothing and standard duty gloves (AS/NZS 2161.2). Clean up by wet sweeping or vacuuming to avoid dust dispersal. Collect in containers for disposal as trade waste in accordance with local authority guidelines. Prevent run off to drains and waterways.

### SECTION SEVEN: HANDLING AND STORAGE

**HANDLING** Avoid contact with eyes and skin. Avoid breathing dust and/or liquid mists (bioaerosols). Wear suitable protective clothing and standard duty gloves (AS/NZS 2161.2). If exposure to dust and/or liquid mists is possible, also wear dust resistant eye protection (AS/NZS 1336) and particulate respirator (AS/NZS 1715 and AS/NZS 1716). Wash hands thoroughly immediately after handling and wash work clothes regularly.

**STORAGE** Store in a well-ventilated location.

### SECTION EIGHT: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**NATIONAL EXPOSURE STANDARDS** No specific exposure standards for mulch products allocated under NOHSC:1003. Recommended exposures for wood dust (soft wood) are:

**ES-TWA:** 5mg/m<sup>3</sup>

**ES-STEL:** 10mg/m<sup>3</sup>

**BIOLOGICAL LIMIT VALUES** No biological limit allocated

**ENGINEERING CONTROLS** Use in open or well-ventilated areas

**PERSONAL PROTECTIVE EQUIPMENT** Wear suitable protective clothing and standard duty gloves (AS/NZS 2161.2). If exposure to dust and/or liquid mists is possible, also wear dust resistant eye protection (AS/NZS 1336) and particulate respirator (AS/NZS 1715 and AS/NZS 1716). Wash thoroughly immediately after handling and wash work clothes regularly.

### SECTION NINE: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** Dark brown pine bark mix with bark pieces ranging in size from 0 - 12mm

**ODOUR** Earthy odour

**pH** Not applicable

**VAPOUR PRESSURE** Not applicable

**VAPOUR DENSITY** Not applicable

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<b>BOILING POINT/RANGE</b>	Not applicable
<b>FREEZING/MELTING POINT</b>	Not applicable
<b>SOLUBILITY</b>	Not applicable
<b>SPECIFIC DENSITY</b>	Varies according to composition and moisture content
<b>FLAMMABILITY</b>	Non-flammable

### SECTION TEN: STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY</b>	Stable under normal ambient conditions of storage and use
<b>CONDITIONS TO AVOID</b>	None known
<b>INCOMPATIBLE MATERIALS</b>	None known
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known
<b>HAZARDOUS REACTIONS</b>	None known

### SECTION ELEVEN: TOXICOLOGICAL INFORMATION

<b>HEALTH EFFECTS</b>	<p>Mulch products, dust, and liquid mists are recognised to be a potential health hazard. This product is made from organic materials, including composted pine bark, and contains living micro-organisms, including bacteria, fungi, and protozoa. May also contain mineral and fertiliser additives.</p> <p>Inhalation of dust and/or liquid mists may irritate, inflame or sensitise the nose, throat and lungs resulting in illnesses ranging from hayfever or asthma, to pneumonia (e.g. Legionnaire's disease) or pneumonia-like illnesses. Direct contact with this material or its dust and/or liquid mists (bioaerosols) may cause skin irritation (dermatitis), and skin or eye infection or irritation. People particularly at risk are those suffering from asthma or allergies, and those whose immune defence systems are compromised.</p>
<b>INGESTION</b>	Swallowing any amount of this product may cause immediate or delayed abdominal discomfort and increase the risk of gastro-intestinal infections.
<b>INHALATION</b>	Inhalation of any amount of dust from the product may have an immediate or delayed effect to irritate, inflame or sensitise the nose, throat and lungs, and exacerbate pre-existing conditions such as asthma and bronchitis.

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<b>SKIN CONTACT</b>	Any level of skin contact with this product and/or its dust may lead to immediate or delayed skin irritation, and in susceptible people may cause skin sensitisation, dermatitis or skin infection.
<b>EYE CONTACT</b>	Any dose of this product and/or its dust coming into contact with the eyes may have an immediate or delayed irritating effect resulting in redness and watering or an infection.

### SECTION TWELVE: ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	No information available
<b>PERSISTENCE AND DEGRADABILITY</b>	Naturally biodegradable
<b>MOBILITY</b>	Only mobile in significant water and wind
<b>ENVIRONMENTAL EFFECTS</b>	Do not allow product to contaminate drains, ponds, streams and other waterways.

### SECTION THIRTEEN: DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS</b>	Collect in containers for disposal as trade waste in accordance with local authority guidelines.
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### SECTION FOURTEEN: TRANSPORT INFORMATION

<b>UN NUMBER</b>	None allocated
<b>UN PROPER SHIPPING NAME</b>	None allocated
<b>CLASS AND SUBSIDIARY RISK(S)</b>	None allocated
<b>PACKING GROUP</b>	None allocated
<b>SPECIAL PRECAUTIONS FOR USER</b>	Tarpaulin to be used to cover load for bulk deliveries by truck. Not classified as Dangerous Goods by the ADG Code.
<b>HAZCHEM CODE</b>	None allocated

### SECTION FIFTEEN: REGULATORY INFORMATION

<b>POISONS SCHEDULE</b>	None allocated
<b>AUSTRALIAN STANDARDS</b>	Not applicable

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### SECTION SIXTEEN: OTHER INFORMATION

**DATE PREPARED** 22 February 2019

**DATE REVIEWED** 22 February 2019

#### ACRONYMS

<b>ADG Code</b>	Australian Dangerous Goods Code for transport by road and rail
<b>AS</b>	Australian Standard
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>ES-STEL</b>	Exposure Standard Short Term Exposure Limit for exposure over a short period of 15 minutes
<b>ES-TWA</b>	Exposure Standard Time-Weighted Average for exposure over an eight-hour working shift for a five-day working week over an entire working lifetime
<b>HAZCHEM Code</b>	Emergency action code for emergency services
<b>MSDS</b>	Material Safety Data Sheet
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NZS</b>	New Zealand Standard
<b>pH</b>	A figure expressing the acidity or alkalinity of a material where 7 is neutral, 0 is highly acidic and 14 is highly alkaline
<b>UN</b>	United Nations

*This MSDS has been prepared by T.J. Depiazzi & Sons. This MSDS summarises to our best knowledge at the date of issue of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled and used in the workplace, including in conjunction with other products.*

*If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact T.J. Depiazzi & Sons directly on (08) 9728 1152.*

*T.J. Depiazzi & Sons reserves the right to make changes to Material Safety Data Sheets without notice.*

*To the best of our knowledge, this document complies with the National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC: 2011(1994)].*

**END OF MSDS**