

MATERIAL SAFETY DATA SHEET

12MM GRADED PINE BARK

LAST REVIEWED
1 JUNE 2019

SECTION ONE: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

SECTION TWO: HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION	Not designated as Hazardous per the List of Designated Hazardous Substances [NOHSC:10005(1994)]
DANGEROUS GOODS CLASSIFICATION	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

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

SECTION FIVE: FIREFIGHTING MEASURES

FLAMMABILITY	Non-flammable
EXTINGUISHING MEDIA	Water or Class A extinguishers for firefighting if necessary
HAZCHEM CODE	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/m³

ES-STEL: 10mg/m³

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

SECTION TEN: STABILITY AND REACTIVITY

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

SECTION ELEVEN: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS	<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. It 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 hay fever 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>
INGESTION	Swallowing any amount of this product may cause immediate or delayed abdominal discomfort and increase the risk of gastro-intestinal infections.
INHALATION	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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SKIN CONTACT	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.
EYE CONTACT	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

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

SECTION THIRTEEN: DISPOSAL CONSIDERATIONS

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

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

SECTION FIFTEEN: REGULATORY INFORMATION

POISONS SCHEDULE	None allocated
AUSTRALIAN STANDARDS	Not applicable

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SECTION SIXTEEN: OTHER INFORMATION

DATE PREPARED 1 June 2019

DATE REVIEWED 1 June 2019

ACRONYMS

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

This MSDS has been prepared by T.J. Depiazzi & Sons. This MSDS summarises to our best knowledge, at the date of issue, 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