

Health Effects – ingestion May cause mild irritation of the mouth, throat or stomach

Health Effects – inhalation: Can irritate nose and throat

Chronic Effects: Long term exposure to wood dust may cause nasal cancer in workers continually exposed to excess levels. Short term exposure at the recommended dust limits is unlikely to cause long terms effects.

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Approximate Percent	Hazardous
Bark from Pine and/or Eucalyptus Trees	N/A	100%	Non-hazardous

SECTION 4 - FIRST AID MEASURES

Product in Eye: Check for and remove any contact lenses. Immediately flush with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.

Product on Skin: Wood/Bark splinters can enter the skin and cause irritation. If swelling, redness or irritation occurs seek medical assistance.

Product Ingested: Not expected to cause adverse health effects, however if concerned seek medical advice

Product Inhaled: Inhalation of bark is considered unlikely. Spores from mould growth on green plantation softwood bark stored in humid conditions may exacerbate respiratory conditions. If irritation or breathing difficulties occur, it is a sensible precaution to seek medical advice.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties: Can ignite, if strongly heated or is in contact with a strong oxidising agent.

Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog

Explosion Hazard: Airborne sawdust can be ignited by sparks or even heat accumulation and result in explosions.

Hazardous Combustion Products: Combustible material and in common with many organic materials, may form flammable dust clouds in air. May produce carbon monoxide and other toxic fumes under poor combustion conditions

Protective Clothing: In the event of a fire, wear full protective clothing and an approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing as detailed in section 8.

Environmental Precautions: Prevent the material from entering a watercourse or storm water channel.

Small and Large Spills: Carefully collect any spilt material and place in suitable container, e.g. skip or drum, for reclamation or disposal. Avoid dusty conditions. Avoid mixing with incompatible materials.

SECTION 7 - HANDLING AND STORAGE

Handling/Storage Avoid generating dusts. Only use where there is adequate ventilation. Avoid ignition sources

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits: No regulatory limit set in South Africa. ACGIH has assigned TLV for wood dust, all soft and hardwoods of 1 mg/m³ for certain hardwoods, such as beech and oak, and 5 mg/m³ for soft wood.

Engineering Control Measures: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection - Respiratory: Wear an approved dust mask

Personal protection - Hand: Gloves

Personal protection - Eye: Safety goggles

Personal Protection - Skin: Gloves, apron and boots

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colour and Appearance:	Brown solid
Odour	Pine/Eucalyptus
Odour Threshold:	Not Available
pH:	Not Available
Melting Point:	Not Applicable
Boiling Point:	Not Applicable
Flash Point:	Not Available
Evaporation Rate:	Not Applicable
Flammability:	Not Available
Autoflammability:	>220°C
Explosive Properties:	Not Available
Oxidising Properties:	Not an oxidiser
Vapour Pressure:	Not Available
Relative Density:	Not Available
Solubility in Water:	Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	Open flames, sparks, static discharge, heat and other ignition sources. Contact with combustible materials and strong oxidisers. Extended storage, which could result in spontaneous combustion conditions
Incompatible Materials:	Strong Oxidisers
Hazardous Decomposition Products:	Oxides of carbon and nitrogen and other toxic fumes particularly under poor combustion conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	No Toxicity Data Available
Skin and Eye Contact:	No Hazard Data Available
Chronic Toxicity:	Not known to be toxic by ingestion
Carcinogenicity:	Long term exposure to wood dust may cause nasal cancer in workers continually exposed to excess levels. Short term exposure at the recommended dust limits is unlikely to cause long terms effects.
Mutagenicity:	No Hazard Data Available
Reproductive Hazards:	No Hazard Data Available

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity:	Leachate from bark may be harmful to aquatic organisms
Acute Toxicity:	No Toxicity Data Available
Chronic Toxicity:	No Hazard Data Available
Persistence and Degradability:	Will biodegrade in water and soil
Bioaccumulation:	Not expected to bioaccumulate.
Mobility in Soil:	Not mobile in soil
Environmental Fate - Air:	Not Available
Environmental Fate - Soil:	Will biodegrade in soil
Environmental Fate - Water:	Will biodegrade in water and soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

SAWIS:	Classified as a General Waste: GW-03, Wood Waste
Disposal Methods:	Recycle and reuse product, if possible. Preferably utilise for agricultural, soil conditioning or landscaping purposes or as a fuel.

Dispose to licenced Class B Landfill as General Waste.

SECTION 14 - TRANSPORT INFORMATION

Not classified as Dangerous Goods in term of SANS 10238: 2008, Identification and Classification of Dangerous Goods for Transport.

UN Number: Not Applicable

Hazard Class: Not Applicable

Packing Group: Not Applicable

Marine Pollutant: Not classified as a marine pollutant.

SECTION 15 - REGULATORY INFORMATION

National Environmental Management: Waste Act (59/2008): National Waste Information Regulations, August 2012 (SAWIS): Classified as a General Waste: GW-03, Wood Waste

SANS 10234 (GHS): Hazard Statements

H242: Heating may cause a fire

H334: May cause allergy or asthma conditions or breathing difficulties if inhaled

H351: Suspected of causing nasal cancer in humans, if dust inhaled on a continuous and long term basis.

SECTION 16 - OTHER INFORMATION

Other Special Considerations: None identified

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