



Safety Data Sheet

Conforms to ISO 11014-1, The South African Occupational Health and Safety Act (Act 86 of 1993); SANS 10228:2010, The Identification and Classification of Dangerous Goods for Transport; and SANS 10234:2008 "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" and Supplement, 2008

SECTION 1: IDENTIFICATION OF MATERIAL AND GENERATORS DETAILS

Trade name: Sawdust : Waste Material	GHS Identification: Not Applicable
	CAS Number: Not Applicable
	NIOSH Number: Not available
Chemical Family: Biomass	Chemical name: Not Applicable
Synonyms: None	UN Number: Not Applicable
Name: Mondi Merebank	Tel: +27 31 451 2111
Address: PO Box 31024	Fax: +27 31 451 1342
ZA - 4059, Merebank	

EMERGENCY OVERVIEW:

Contains no Hazardous Ingredients but dust may irritate nose and throat, if inhaled, and can cause Cancer of the nasal passages, if inhaled over a long period.

SECTION 2: HAZARDS IDENTIFICATION

Main hazard:	Can irritate nose and throat
Flammability:	Can ignite if heated or in presence of strong oxidising materials
Chemical hazard:	None
Biological hazard:	None
Reproduction hazard:	None known
Eye Effects:	May cause mild irritation
Health Effects – skin:	May cause mild irritation
Health Effects – ingestion	May cause mild irritation of the mouth, throat or stomach
Health Effects – inhalation:	Can irritate nose and throat

Chronic Effects: Wood dust is *known to be a human carcinogen*, based on sufficient evidence of carcinogenicity from studies in humans.

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

Contains no listed hazardous ingredients

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: Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes.

Product Ingested: Not expected to be an issue.

Product Inhaled: Remove from exposure and move to fresh air. If breathing is difficult, obtain medical attention.

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: May produce carbon monoxide 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. Store in an area that is: cool, ventilated

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 approved air-purifying respirator with an appropriate cartridge

Personal protection - Hand: Gloves

Personal protection - Eye: Chemical safety goggles

Personal Protection - Skin: Gloves, apron and boots

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colour and Appearance: Beige solid

Odour: Pine/Eucalyptus

Odour Threshold: Not Available

pH: Not Available

Melting Point: Not Available

Boiling Point: Not Available

Flash Point: Not Available

Evaporations Rate:	Not Available
Flammability:	Not Available
Autoflammability:	Not Available
Explosive Properties:	Not Available
Oxidising Properties:	Not an oxidiser
Vapour Pressure:	Not Available
Relative Density:	Not Available
Solubility in Water:	Insoluble
Solubility Solvent:	Not Available
Solubility Coefficient:	Not Available

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
Incompatible Materials:	Strong Oxidisers
Hazardous Decomposition Products:	Carbon Monoxide under poor combustion conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	No Data Available
Skin and Eye Contact:	No Data Available
Chronic Toxicity:	Not known to be toxic by ingestion
Carcinogenicity:	Wood dust is <i>known to be a human carcinogen</i> , based on sufficient evidence of carcinogenicity from studies in humans.
Mutagenicity:	No Data Available
Reproductive Hazards:	No Data Available

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity:	Leachate from sawdust can be harmful to aquatic organisms
Acute Toxicity:	No Data Available
Chronic Toxicity:	No 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

Disposal Methods:	Recycle and reuse product, if possible. Utilise as a fuel. Dispose to licenced Class A or B Landfill.
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SECTION 14 - TRANSPORT INFORMATION

UN Number:	Not Applicable
Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Marine Pollutant:	No Data

SECTION 15 - REGULATORY INFORMATION

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 inhaled on a continuous basis.

SECTION 16 - OTHER INFORMATION

Other Special Considerations: None identified

History:

Date of Printing: June 2014

Date of Issue: June 2014

Date of Previous Issue: No previous validation

Validated by: Gladys Naylor

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