

Safety Data Sheet

Waste handling and transport, RSA. No OELs / BLVs.

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Conforms to SANS 10234:2019, SANS 11014:2010
SDS compiled: 2023/06/12. Valid until: 2028/06/10
unless the applicable substance or mixture is altered
Version: 2 | Rev.: 1

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WASTE MIXTURE: SOLID
USM: BAGASSE

1. Identification

GHS product identifier

Trade name(s) : USM: BAGASSE

Supplier product code : No data available.

Other means of identification

Other synonym(s) : No data available.

Road & Rail PSN : NOT REGULATED

Relevant use(s) of the Mixture and restrictions on use

Identified use(s) : WASTE - intended for transport by road or rail, and disposal.

Uses advised against : WASTE - if a commercial product residue, not intended for original use. KEEP AWAY FROM clothing. DO NOT eat, drink or smoke when using this product. AVOID release to the environment. Collect spillage.

Generator details

Generator name : Umfolozi Sugar Mill

Generator address : CNR OF MILL ROAD & CLUB LANE, RIVERVIEW, MTUBATUBA
3935

Contact title, name : Gwen Wareham

Phone number(s) : +27 (0) 82 827 7669

Alternative contact(s) : gwareham@usm.co.za

Emergency contacts

Contact title, name : Gwen Wareham

Emergency number(s) : +27 (0) 82 827 7669

After-hours number(s) : +27 (0) 82 827 7669

2. Hazards identification

Classification of the Mixture per SANS 10234:2019

GHS hazard category : GHS hazard statements

Not deemed hazardous based on available information.

Hazards not otherwise classified : Primary Health Hazards: The primary health hazard posed by this product is thought to be exposure to dust via inhalation and eye routes.

Human health hazards - acute

Inhalation: Cellulose dust may aggravate pre-existing respiratory conditions or allergies. Excessive dust concentrations may cause unpleasant deposit or obstruction in the nasal passages.

Eye contact: Dust may mechanically irritate the eyes, resulting in redness or watering.

Human health hazards - chronic

Cellulose dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

Note: The waste may contain traces of crystalline silica dust. Repeated inhalation of dust containing respirable crystalline silica is associated with silicosis, lung cancer and autoimmune disorders.

Physical hazards: Activities that result in significant amounts of dust generation may present a combustion hazard.

GHS hazard label elements

Symbol(s) : NONE - Not deemed hazardous based on available information.

Signal word : NONE - Not deemed hazardous based on available information.

GHS hazard statements

Physical

Not specified due to classification; apply reasonable care.

Health

Not specified due to classification; apply reasonable care.

Environmental

Not specified due to classification; apply reasonable care.

Precautionary measures label elements

General

No data available.

Prevention

P220 : KEEP AWAY FROM clothing.
P261 : AVOID breathing dust, fume, gas, mist, vapours, spray.
P262 : DO NOT get in eyes, on skin, or on clothing.
P270 : DO NOT eat, drink or smoke when using this product.
P273 : AVOID release to the environment.
P280 : Wear protective gloves, protective clothing, eye protection, face protection.

Response

P314 : Get medical advice / attention if you feel unwell.
P374 : Fight fire with normal precautions from a reasonable distance.
P391 : Collect spillage.
P301+P312 : IF SWALLOWED: Call a POISON CENTRE or doctor /physician if you feel unwell.
P304+P312 : IF INHALED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311 : If exposed or concerned: Call a POISON CENTRE or doctor/physician.

Storage

No data available.

Disposal

P501 : Dispose of contents/container to an approved facility in accordance with all applicable regulations and landfill requirements per this safety data sheet's Section 13.

Other

No data available.

3. Composition or information on ingredients

Substance/mixture : Mixture

Ingredient(s)	CAS/IUPAC/Other Name(s)	[C/I/SA] %	Classification (Regulation)

Notes to above table: [C] Constituent component; [I] Impurity; [SA] Stabilising Additive; [NS] Not Specified; [O]

Hazardous ingredients : No data available.
above cut-off levels

Additional notes : Waste stream is expected to contain cellulose.

4. First-aid measures

Where the manufacturer/supplier/generator was unable to specify relevant measures, SANS 10234:2019 precautionary statements have been used.

- Immediate actions : If exposed or concerned: Call a POISON CENTRE or doctor/physician.
- Actions to be avoided : DO NOT eat, drink or smoke when using this product. AVOID release to the environment.

First-aid measures

- Inhalation : AVOID breathing dust, fume, gas, mist, vapours, spray. IF INHALED: Call a POISON CENTRE or doctor/physician if you feel unwell.
- Skin Contact : KEEP AWAY FROM clothing. DO NOT get in eyes, on skin, or on clothing. Wear protective gloves, protective clothing, eye protection, face protection.
- Eye Contact : DO NOT get in eyes, on skin, or on clothing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion : DO NOT get in eyes, on skin, or on clothing. IF SWALLOWED: Call a POISON CENTRE or doctor /physician if you feel unwell.

Anticipated effects and symptoms summaries - see **Section 11** for full explanations

- Acute effects : Not specified due to classification; apply reasonable care.
- Delayed effects : Not specified due to classification; apply reasonable care.
- Symptoms / effects : Not specified due to classification; apply reasonable care.

Protection of first-aiders and notes for attending physicians

- First-aid protection : Not specified due to classification; apply reasonable care.
- Physician notes : Get medical advice / attention if you feel unwell.

5. Fire-fighting measures

Where the manufacturer/supplier/generator was unable to specify relevant measures, SANS 10234:2019 precautionary statements have been used.

Fire and explosion hazards	: Avoid generating dust; sufficient concentrations of fine dust dispersed in air, and in the presence of an ignition source is a potential hazard.
Unusual fire explosion hazards	Depending on airborne concentration, moisture content, particle diameter, surface area and exposure to an ignition source, airborne cellulose dust may ignite and burn with explosive force in a contained area.
Unsuitable extinguishing media	: Not specified due to classification; apply reasonable care.
Extinguishing media and methods	: Not specified due to classification; apply reasonable care.
Specific hazards arising from the Mixture	: Not specified due to classification; apply reasonable care.
Protection of fire-fighters	: KEEP AWAY FROM clothing. AVOID breathing dust, fume, gas, mist, vapours, spray. Fight fire with normal precautions from a reasonable distance.

6. Accidental release measures

Where the manufacturer/supplier/generator was unable to specify relevant measures, SANS 10234:2019 precautionary statements have been used.

Personal precautions, protective equipment, and emergency procedures	: KEEP AWAY FROM clothing. Wear protective gloves, protective clothing, eye protection, face protection.
Environmental precautions	: AVOID release to the environment. Collect spillage.
Methods and materials for containment and for clean-up	: Not specified due to classification; apply reasonable care.
Secondary disaster prevention measures	: Not specified due to classification; apply reasonable care.
Additional information	: Not specified due to classification; apply reasonable care.

7. Handling and storage

Safe handling	: DO NOT get in eyes, on skin, or on clothing. DO NOT eat, drink or smoke when using this product. AVOID release to the environment. Wear protective gloves, protective clothing, eye protection, face protection.
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- Safe storage : Keep in a dry place away from heat, sparks, open flames, hot surfaces and other sources of ignition.
- Technical measures : Not specified due to classification; apply reasonable care.
- Incompatible materials : Not specified due to classification; apply reasonable care.
- Packaging : Not specified due to classification; apply reasonable care.
- Additional information : Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment, and wash hands after use and before entering eating areas.

8. Exposure controls and personal protection

Concentration and exposure limits

- Permissible concentration : Not specified due to classification; apply reasonable care.

Exposure controls and Personal Protective Equipment (PPE)

- Engineered controls : Activities that generate dust require the use of general ventilation and/or wet suppression methods to maintain exposure.
- Respiratory PPE : In case of exposure to high dust levels, use a respirator approved under appropriate government standards.
- Hand / arm PPE : Handle with gloves approved under appropriate government standards.
- Eye / face PPE : In case of exposure to high dust levels, use goggles or safety glasses approved under appropriate government standards.
- Skin / body PPE : Handle in accordance with good hygiene and safety practices. Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations.
- Hygiene measures : Not specified due to classification; apply reasonable care.

Special conditions posing a hazard

- Hazardous conditions : KEEP AWAY FROM clothing.
- Additional information : Not specified due to classification; apply reasonable care.

9. Physical and chemical properties (whole waste mixture)

Appearance	: Appears to be a mixture of sand and sugar cane
Odour	: Yeast-like odour
Odour threshold	: No data available.
pH, concentration	: 5.7
Melting point	: No data available.
Freezing point	: No data available.
Initial boiling point	: No data available.
Boiling point	: No data available.
Boiling range	: No data available.
Flashpoint	: 93 °C - No Flash
Flammability	: No data available.
Auto-ignition point	: No data available.
Decomposition point	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Vapour pressure	: No data available.
Evaporation rate	: No data available.
Vapour density	: No data available.
Density	: No data available.
Bulk density	: No data available.
Relative density, SG	: No data available.
Solubility	: No data available.
Partition coeff. (n-oct)	: No data available.
Partition coeff. (water)	: No data available.
Dynamic viscosity	: No data available.
Kinematic viscosity	: No data available.
Radioactivity	: No data available.

10. Stability and reactivity

Conditions to avoid : Keep away from heat, sparks, open flames and hot surfaces.

Incompatible materials : Not specified due to classification; apply reasonable care.

Hazardous decomposition : Not specified due to classification; apply reasonable care.

Additional information : Not specified due to classification; apply reasonable care.

11. Toxicological information

GHS Classification of Health Hazards

Acute toxicity : No data available.

Skin irritation/corrosion : No data available.

Eye damage/irritation : No data available.

Respiratory or skin sensitization : No data available.

Germ cell mutagenicity : No data available.

Carcinogenicity : No data available.

Reproductive toxicity : No data available.

Specific target organ toxicity - single exp. : No data available.

Specific target organ toxicity - repeated exp. : No data available.

Aspiration hazard : No data available.

Hazard	Ingredient	Result	Species	Dose	Time

Additional information : Generic hazard data used above.

12. Ecological information

GHS Classification of Aquatic Environment Hazards

Acute aquatic toxicity : No data available.

Chronic aquatic toxicity : No data available.

Hazard to the ozone layer : No data available.

Hazard	Ingredient	Result	Species	Dose	Time

Persistence and degradability : No data available.

Bioaccumulation potential : No data available.

Mobility in soil : No data available.

PBT, vPvB summary : No data available.

Other adverse effects : No data available.

Additional information : Generic hazard data used above.

13. Disposal considerations

Current disposal prohibition/restrictions : Type 0, Prohibited Waste per GN R636 (5)(1)(b) Waste with a pH value of <6 or >12. Analytical value of: 5.7 pH.
(1)(q)(ii) Waste with a moisture content >40% or that liberates moisture under pressure in landfill conditions, and which has not been stabilised by treatment. Analytical value of: 47 %.

Landfill Class (RSA) (subject to treatment) : Type 3 Waste: Class C Landfill (GLB+) per: GN R635 (7)(2)(d) - strictly subject to treatment due to GN R636 (5)(1) prohibited disposal: see above.

Future disposal prohibition/restrictions : Future Prohibited Waste per GN R636 (5)(1)(r)(iv) >6% Total Organic Carbon (TOC). Non-hazardous waste with analytical value of: 87 %. (Prohibited from: Aug 2028)

Safe, environmentally preferred disposal : Dispose of contents/container to an approved facility in accordance with all applicable regulations and landfill requirements per this safety data sheet's Section 13.

Additional information : Do not fly tip. Do not dispose into sewer, stormwater, or environment. Do not burn unless by means of compliant incineration practices.

14. Transport information

Proper Shipping Name (PSN) for: Road & Rail (SANS 10228) | Air (IATA) | Sea Freight (IMO/IMDG)

Road & Rail PSN : NOT REGULATED

IATA PSN : NOT REGULATED

IMO/IMDG PSN : NOT REGULATED

Dangerous Goods Transportation: Road & Rail Requirements (SANS 10228:2012)

UN number	: -
Dangerous goods class (& Subsidiary)	: -
Packing group	: -
Special provisions	: -
Packaging codes	: -
Marine pollutant	: No data available.

Transport in bulk according to MARPOL 73/78 Annex II and the IBC Code

Regulation	: Not intended for sea freight.
Shipment approved	: Not intended for sea freight.
Pollution name	: Not intended for sea freight.
Pollution category	: Not intended for sea freight.
Ship type	: Not intended for sea freight.

Additional information

Additional information	: No data available.
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15. Regulatory information

Occupational H&S	: Occupational Health and Safety Act (Act No. 85 of 1993)
Environment & Disposal	: National Environmental Management: Waste Act (Act No. 59 of 2008) : GN R634 Waste Classification and Management Regulations : GN R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal : GN R636 National Norms and Standards for Disposal of Waste to Landfill
Other (domestic)	: National Road Traffic Act, 1996 (Act No. 93 of 1996)
Other (international)	: No data available.
Classification & Hazard communication	: SANS 10228:2012 The identification and classification of dangerous goods for transport by road and rail modes : SANS 10234:2008 List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS) : SANS 10234:2019 Globally Harmonized System of classification and labelling of chemicals (GHS)

16. Other information

Compilation & version : 2023/06/12, Version: 2, Revision:1

Revision(s) : No data available.

Summary of Mixture Hazard Classification and Categories

Hazard Information : Not deemed hazardous based on available information.

Summary of Mixture Hazard Statements

Hazard Statements : No data available.

Signal word : NONE - Not deemed hazardous based on available information.

Other : No data available.

Disclaimer & Use

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