



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: 2022/11/23. Valid until: 2027/11/22
unless the applicable substance or mixture is altered
Version: 1

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WASTE MIXTURE: SOLID FILTER CAKE

1. Identification

GHS product identifier

Trade name(s) : FILTER CAKE

Supplier product code : No data available.

Other means of identification

Other synonym(s) : No data available.

Road & Rail PSN : SELF-HEATING SOLID, ORGANIC, N.O.S

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. Take precautionary measures against static discharge. DO NOT eat, drink or smoke when using this product. AVOID release to the environment. Collect spillage.

Generator details

Generator name : Illovo Sugar South Africa (Pty) Ltd

Generator address : Sezela Sugar Mill, 1 Smuts Road, Sezela, 4215

Contact title, name : Viticka Barnard

Phone number(s) : +27 39 975 8000

Alternative contact(s) : vbarnard@illovo.co.za

Emergency contacts

Contact title, name : Carl Myers

Emergency number(s) : +27 39 975 8229

After-hours number(s) : +27 39 975 8229

2. Hazards identification

Classification of the Mixture per SANS 10234:2019

GHS hazard category : GHS hazard statements

3 : FLAMMABLE LIQUID

1 : DEEMED SELF-HEATING

Hazards not otherwise classified : No data available.

GHS hazard label elements

Symbol(s) :



Flame
(GHS02)

Signal word : **DANGER**

GHS hazard statements

Physical

H226 : Flammable liquid and vapour

H251 : Self-heating; may catch fire

Health

No data available.

Environmental

No data available.

Precautionary measures label elements

General

Prevention

- P220 : KEEP AWAY FROM clothing.
- P233 : Keep container tightly closed.
- P240 : Ground/bond container and receiving equipment.
- P243 : Take precautionary measures against static discharge.
- 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.
- P235+P410 : Keep cool and protect from sunlight.

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.
- P303+P361+P353 : IF ON SKIN (or hair): IMMEDIATELY remove/take off all contaminated clothing. IMMEDIATELY rinse skin with water/shower.
- 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

- P407 : Maintain air gap between stacks/pallets.
- P420 : Store away from other materials.
- P403+P235 : Store in a well-ventilated place and keep cool.

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

3. Composition or information on ingredients

Substance/mixture : Mixture

Ingredient(s)	CAS/IUPAC/Other Name(s)	[C/I/SA] %	Classification (Regulation)
Mixture	-	100%	H226 H251

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

Hazardous ingredients : Refer to above table.
above cut-off levels

Other identifier(s) : No data available.

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 ON SKIN (or hair): IMMEDIATELY remove/take off all contaminated clothing. IMMEDIATELY rinse skin with water/shower. 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. Keep cool and protect from sunlight.

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.

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 : No data available.

Delayed effects : No data available.

Symptoms / effects : No data available.

Protection of first-aiders and notes for attending physicians

First-aid protection : No data available.

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.

Unsuitable extinguishing media : No data available.

Extinguishing media and methods : Use extinguishing media suitable to the surrounding fire.

Specific hazards arising from the Mixture : No data available.

Protection of fire-fighters : KEEP AWAY FROM clothing. Take precautionary measures against static discharge. 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.

Environmental precautions : AVOID release to the environment. Collect spillage.

Methods and materials for containment and for clean-up : Take precautionary measures against static discharge. Keep cool and protect from sunlight.

Secondary disaster prevention measures : No data available.

Additional information : No data available.

7. Handling and storage

Safe handling : Keep container tightly closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. 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. Maintain air gap between stacks/pallets.

Safe storage : Keep cool and protect from sunlight. Store away from other materials. Store in a well-ventilated place and keep cool.

Technical measures : No data available.

Incompatible materials : No data available.

Packaging : No data available.

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 : No data available.

Exposure controls and Personal Protective Equipment (PPE)

Engineered controls : No data available.

Respiratory PPE : Use respiratory protection approved under appropriate government standards.

Hand / arm PPE : Handle with gloves approved under appropriate government standards.

Eye / face PPE : Use equipment for eye protection tested and approved under appropriate government standards.

Skin / body PPE : Wear protective clothing.

Hygiene measures : Handle in accordance with good hygiene and safety practice. Wash hands before and after handling.

Special conditions posing a hazard

Hazardous conditions : KEEP AWAY FROM clothing. Ground/bond container and receiving equipment.

Additional information : No data available.

9. Physical and chemical properties (whole waste mixture)

Appearance : Brown/black damp solid

Odour : Sugar cane odour

Odour threshold : No data available.

pH, concentration : 5.3

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 : 60 °C - 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 : Heat
Incompatible materials : No data available.
Hazardous decomposition : No data available.
Additional information : No data available.

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: 5.3 pH. (1)(c) Flammable waste with a closed cup flashpoint <61 °C. Analytical value of: 60 - Flash°C. (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: 75 %.
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). Hazardous waste with analytical value of: 69 %. (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	: SELF-HEATING SOLID, ORGANIC, N.O.S
IATA PSN	: SELF-HEATING SOLID, ORGANIC, N.O.S
IMO/IMDG PSN	: SELF-HEATING SOLID, ORGANIC, N.O.S

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

UN number	: 3088
Dangerous goods class (& Subsidiary)	: 4.2
Packing group	: PG II
Special provisions	: 274
Packaging codes	: 0 E2 P410 IBC06 B2 T3 TP33
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.

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 : 2022/11/23, Version: 1, Revision: -

Revision(s) : Not applicable

Summary of Mixture Hazard Classification and Categories

3 : FLAMMABLE LIQUID
1 : DEEMED SELF-HEATING

Summary of Mixture Hazard Statements

H226 : Flammable liquid and vapour
H251 : Self-heating; may catch fire

Signal word : **DANGER**

Other : No data available.

Disclaimer & Use

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