

Safety Data Sheet

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

by: **TALBOT**
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Conforms to SANS 10234:2019, SANS 11014:2010
SDS compiled: 2022/09/29. Valid until: 2027/09/28
unless the applicable substance or mixture is altered
Version: 1

WASTE MIXTURE: SLUDGE
ILLOVO SUGAR - ESTON MILL: SLUDGE

SDS Compiler v20.09.10.05.1

1. Identification

GHS product identifier

Trade name(s) : ILLOVO SUGAR - ESTON MILL: SLUDGE

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 : Illovo Sugar South Africa (Pty) Ltd - Eston Mill

Generator address : District Rd R624, Eston, 3740

Contact title, name : Nancy Sutar

Phone number(s) : +27 (0) 83 504 3005

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

Emergency contacts

Contact title, name : Nancy Sutar

Emergency number(s) : +27 (0) 83 504 3005

After-hours number(s) : +27 (0) 83 504 3005

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 : Not specified due to classification; apply reasonable care.

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.

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//SA] %	Classification (Regulation)
Sludge	-	100%	-

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

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 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.

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.

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.

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

Methods and materials : Not specified due to classification; apply reasonable care.
for containment and for
clean-up

Secondary disaster : Not specified due to classification; apply reasonable care.
prevention measures

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.

Safe storage : Not specified due to classification; apply reasonable care.

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

Exposure controls and Personal Protective Equipment (PPE)

Engineered controls : Not specified due to classification; apply reasonable care.

Respiratory PPE : Not specified due to classification; apply reasonable care.

Hand / arm PPE : Not specified due to classification; apply reasonable care.

Eye / face PPE : Not specified due to classification; apply reasonable care.

Skin / body PPE : Not specified due to classification; apply reasonable care.

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	: Black sludge
Odour	: Odourless
Odour threshold	: No data available.
pH, concentration	: 7.4
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 : Not specified due to classification; apply reasonable care.

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)(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: 83 %.

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: 23 %. (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.

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 : SANS 10228:2012 The identification and classification of dangerous goods for communication 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 : 2022/09/29, Version: 1, Revision: -

Revision(s) : Not applicable

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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