



**forestry, fisheries
& the environment**

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

**RISK MANAGEMENT PLAN IN TERMS OF REGULATION 10 OF THE WASTE
EXCLUSION REGULATIONS**

	(For official use only)
File Reference Number:	12/9/11
NEAS Reference Number:	
Date Received:	

Risk Assessment for an application for exclusion of waste stream or portion of waste stream in terms of the National Environmental Management: Waste Act, 2008(Act No.59 of 2008), as amended.

Kindly note that:

1. This form is current as of 01 April 2021. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Incomplete forms (including information as required in the application form may be returned to the applicant for revision and the inclusion of additional information.
4. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

BACKGROUND INFORMATION	
APPLICANT	Umfoloji Sugar Mill (Pty) Ltd
CONTACT PERSON	Umfoloji Sugar Mill – Operations System Manager
NAME	Kelvin Gibbs
ADDRESS	Corner of Mill and Club Lane , Riverview, Mtubatuba, 3935
E-MAIL ADDRESS	KGibbs@usm.co.za
TELEPHONE	035 550 7748
CELL PHONE	083 408 4833

WASTE FACILITY OR FACILITIES						
SOURCE (S) OF WASTE	Sludge from the Passveer Ditch at the effluent treatment plant.					
WASTE TO BE BENEFICIATED	Passveer Ditch Sludge					
GPS CO-ORDINATES AT CORNERS OF WASTE GENERATING FACILITY OR FACILITIES. <i>(Please note that the co-ordinates are for the pasveer ditch sludge).</i>	LATITUDE			LONGITUDE		
	Bagasse storage area A					
	28°	26'	52.34" S	32°	11'	3.65" E
	28°	26'	54.04" S	32°	11'	5.02" E
	28°	26'	55.48" S	32°	11'	7.07" E
28°	26'	53.51" S	32°	11'	5.86" E	
BENEFICIAL USE/S	<ul style="list-style-type: none"> • Soil conditioner • Nutrient source in sugar cane farming 					

WASTE GENERATING PROCESS		
MSDS ATTACHED IF HAZARDOUS	YES Please refer to Annexure 1 for SDS	NO
WASTE GENERATING FACILITY	HAZARDOUS	GENERAL

RISK MANAGEMENT PLAN

Activity	Risk Description	Action(s) to minimise/manage the risk	Responsibility (Who is responsible to carry out the action(s))
<ul style="list-style-type: none"> • GENERAL MANAGEMENT of the Pasveer Ditch - Aerobic (PDA) effluent treatment sludge. • The PDA receives the liquid overflow from the anaerobic settling pond (pond 2). • The liquid overflow from the anaerobic digestion at pond 2 carries the leached components and significantly reduced (by up to 90%) dissolved organic load from the pond 2 treatment process. • The end result is a significantly reduced organic load but not such a reduction in 	<ul style="list-style-type: none"> • There were no GHS hazards associated with this waste. • The Safety Data Sheet needs to be part of the safety induction for this sludge, as with all the sludge being used for soil enhancement. • No COD/BOD analyses done but general caution to be exercised with prevention of spills into the environment. • Precautions in the management of the activation process to ensure health floc formation to form a health sludge. • To maximize the re-use of the clarified liquid water 	<ul style="list-style-type: none"> • Sludge analyses need to be conducted regularly and acted upon should the activated sludge process present problems. • The Safety Data Sheet needs to be part of the safety induction for this sludge, as with all the sludge being used for soil enhancement. • No COD/BOD analyses done but general caution to be exercised with prevention of spills into the environment. • Precautions in the management of the activation process to ensure health floc formation to form a health sludge. • To maximize the re-use of the clarified liquid water back into the sugar mill system. 	<p>Umfolozi Sugar Mill (USM)</p>

Activity	Risk Description	Action(s) to minimise/manage the risk	Responsibility (Who is responsible to carry out the action(s))
<p>sludge solids, which is mainly activated sludge.</p> <ul style="list-style-type: none"> • The precaution is to ensure that the activated sludge process is managed so that the sludge remains “healthy” and does not present problems and thus present effluent quality problems. • These include poor floc formation, bulking and foaming from varying causes, nitrification and denitrification problems, thus rendering it unusable for soil enhancement, and for use of the liquid to cycle back into the mill for re-use. • This waste stream is prohibited from being 	<p>back into the sugar mill system.</p>		

Activity	Risk Description	Action(s) to minimise/manage the risk	Responsibility (Who is responsible to carry out the action(s))
landfilled, hence MUST be redirected off landfill by being beneficiated.			
PDA sludge removal on demand.	<ul style="list-style-type: none"> • Storage over time and running out of storage space, if the demand is low. • If a process problems occurs, this may result in backup of pond 1 and 2 overflows to their following processe. Resulting in down time. 	<ul style="list-style-type: none"> • Responsibility: Civils Manager for the management of the site to ensure no pollution occurs from this waste source. • It is the manager responsible for the distribution of the waste to the end-users for the administration to record this activity: the quantity of waste, the frequency of waste removal and to whom the waste is being distributed to. • Monitoring of the PDA waste to ensure that the demand must match the amount of sludge waste that is stored at the dewatering area. Because of the “jelly” like nature of this sludge and not being easily dewatered, it must not build up and cause any overflows outside of the dedicated storage area. Should there be circumstances that would reduce the removal rate then the process must be carefully monitored, to ensure this facility can cope with any overflow from the pond 1 and pond 2 processes. • All the sludge is allocated to be removed. 	USM Manager responsible for the management of the site and the distribution of the waste
Access to sludge waste storage area.	<ul style="list-style-type: none"> • Trespassers entering this area illegally risk the possibility of spillages, accidents; drowning in the pond, or getting stuck in the sludge. • Removal of the activated 	<p>USM gate security</p> <ul style="list-style-type: none"> • Retain security and access control at the gates. • Checking for correct PPE. • Site induction covers the safety and health risks and requirements for entering the site. Induction to be renewed every year. • Works instructions to include the vehicle checks. 	USM gate security

Activity	Risk Description	Action(s) to minimise/manage the risk	Responsibility (Who is responsible to carry out the action(s))
	<p>sludge in an unmanaged way would result in spillages as the sludge is not easily dewatered.</p>	<ul style="list-style-type: none"> • Security to check no overfilled vehicle bins/trailers when leaving. • Collectors will report to USM main security gate first. The sludge is not weighed after being collected. • Waste Collects will have Safety files with USM Compliance Department which will include the requirements to inductions, PPE, site standards, vehicle standards, etc. 	
<p>Process of transferring PDA sludge from the temporary storage dam area to the receiving vehicles.</p>	<p>Dust: If the PDA sludge is eventually dried out dust becomes windblown from the process of sludge transfer with pay loader.</p> <p>Spillage: The “jelly”-like sludge does not dry out easily, and can spill out of the vehicle trailer/ bin/ container/tanker if loading for for transporting to the farmland if not managed correctly. Would also spill onto personnel not authorised to be at the location.</p>	<ul style="list-style-type: none"> • This waste sludge is not easily dewatered, hence the issue of dust would be negligible. • Ensure that only the responsible personnel needed for the activity are in the area for the duration of the transfer. • Ensure that the inducted personnel are trained in the contents of the Safety Data Sheet (SDS) to inform them the measures of how to manage their safety and health when working with this sludge. Correct PPE is used in the area, appropriate clothing footwear and eyewear protection is worn. Eye wash and safety shower station to be clearly demarcated and close by. • No eating drinking or smoking allowed. • Careful management of the transfer of sludge to vehicles. Procedure very clear for limit of vehicle load, for mass and to minimise on-site and off-site spillage. 	<p>Manager responsible for waste and operations. Civils Manager</p>
<p>Transporting of PDA sludge waste to farm.</p>	<p>Spillage:</p>	<ul style="list-style-type: none"> • Ensure vehicles are well maintained with service records available. 	<p>Farmer/owner, of vehicle, driver</p>

Activity	Risk Description	Action(s) to minimise/manage the risk	Responsibility (Who is responsible to carry out the action(s))
	<ul style="list-style-type: none"> • From unmanaged loading of the receiving vehicle trailer/ bin with PDA sludge waste: overloading and with inappropriate loading to minimise spillages, particularly over rough roads. • Road accidents. • Non –compliance to the ROAD TRAFFIC ACT. (RTA) • Soil contamination. Affects the flora and local animals, domestic and wild as well as residents. • Natural water sources contamination 	<ul style="list-style-type: none"> • The condition of the vehicle is to be monitored by the farmer garage to include regular maintenance, driver reports for any concerns on the vehicle performance, security gate personnel to check the vehicle condition when entering the gate. • The drivers must be correctly trained and licenced for driving on public roads with consideration. The judgement by driver of the ability of the vehicle to manage the farm roads without getting stuck and causing spills • Should there be any incident on the public road or on farm roads, an enquiry is to take place, to investigate whether any actions are needed. • Driver to contact farmer to clear up any spillages that occur on public roads. • Emergency procedures clearly outlined for the implications of accidents and clean-up. Clean-up protocols sufficient for clean-up to deal with the maximum loads. Include, fires, injuries, etc. Checks for correct driver emergency equipment and training to deal with the emergency. • Vehicles to comply with all requirements for Road Traffic Act. 	<p>supervisor and driver, weighbridge & USM security.</p>
<p>PDA sludge off-loading on designated area on farm.</p>	<p>Spillage:</p> <ul style="list-style-type: none"> • Outside of designated area. • Depending on the offloading procedure on the receiving farm, the 	<ul style="list-style-type: none"> • The sludge should not be stored on site, it needs to be taken onto the fields and ploughed into the soil immediately to stop any sludge run-off. Any run-off impact is minimised by being directed away any natural water source. This can be prevented by ensuring the riparian zone for the water course is intact. • Should the sludge need to be offloaded, then to implement 	<p>Farmer/landowner and end-user of the sludge waste</p>

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	<p>equipment used to offload may spill residual sludge when travelling to other places to do work.</p>	<p>the procedure for off-loading of sludge waste in the designated drop-off zones. To ensure the off-loading vehicle driver knows the process for minimising the impact of the vehicle on the environment after completing the off-loading.</p> <ul style="list-style-type: none"> • Ensure correct and appropriate PPE is used. Eye wash. bottles to be available on the off-loading vehicle. Do not get onto clothing or skin. • The farmer would be responsible to ensure that no such fertiliser is offloaded or spilled in non-designated areas e.g. National road or entry point intersections or traverse areas. 	
Storage at end user facilities	<ul style="list-style-type: none"> • Run off from rain. • Due to the “jelly” like nature of the sludge it would spread out on the storage area. Difficult to manage. • Unauthorised removal of material. • Not recommended to store at all, it must be ploughed directly into the soil as it is brought to the farm. 	<ul style="list-style-type: none"> • As given above for off-loading protocols to prevent run-off contamination of natural water sources. • Unauthorised removal of material is minimised by the farmer’s internal security service by preventing trespassing in the property. • Strongly recommend that the farmer to apply sludge directly onto land upon delivery and to immediately plough it in. 	Farmer, landowner, End user
PDA sludge management during distribution onto the intended farm soil as the	<ul style="list-style-type: none"> • There may be health impacts from working with the possibly dried sludge 	<ul style="list-style-type: none"> • All staff in the field are to be supplied with the correct PPE and trained for application rates of the sludge waste. as well as correct placement within the area of the field. This 	Farmer and USM Cane Supply, property owner and

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fertilizer/soil enhancer.	<p>and soil during the spreading onto the fields keep away from eyes, skin or clothing.</p> <ul style="list-style-type: none"> Working with the moist sludge would involve splashing and may affect those working with the waste. <p>Environment:</p> <ul style="list-style-type: none"> Any run-off of sludge or water from the spreading operations will affect the receiving environment if not managed correctly, especially near to natural water sources. 	<p>is to keep the waste away from the possibility of run-off to cause pollution into the natural water sources..</p> <ul style="list-style-type: none"> The farmer would plan the entire fetching of the sludge with the immediate application onto the soils and ploughing it in without letting the sludge sit. Ensure that this waste is kept away from any natural water course and from informal and standard residential areas. 	field staff with field supervisors
Repeat application onto the same fields.	<p>Environment:</p> <p>The soils may have salinity build up if the soils and application are not monitored.</p>	<ul style="list-style-type: none"> Ensure that the work is conducted with the inputs of a qualified agronomist that the soil viability is retained. To prevent salinity build up and correct pH management, as well as other specific soil requirements to keep the crop healthy. 	Farmer, property owner and field staff
Secondary waste generation	<p>Environment: Secondary waste generation would involve contamination of other items with the sludge or</p>	<ul style="list-style-type: none"> The management of the sludge processes includes the monitoring of any oil, grease, litter and other waste stream spillages that may contaminate the sludge waste but which in turn may contaminate a waste which may be recycled or 	USM

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	become contaminated by other spillages. Oils, chemicals.	<p>be used elsewhere.</p> <ul style="list-style-type: none"> • This includes the clean-up of litter. Should there be a spill in the area likely to contaminate the sludge or to be contaminated by the sludge: Spill management procedures are in place to ensure spills are cleaned up immediately in the area. The mill manages oil/grease spills by absorbing with bagasse and then being reused in the boilers as a fuel source. • There is a designated area for used oil and grease which is collected by reputable oil collectors. • Disposal is to be safe and legal. • Have appropriately labelled waste skips/containers available to collect such waste. 	
Emergency responders.	Positive	<ul style="list-style-type: none"> • Training of appropriate staff, drivers etc., be made available to these personnel, to be able to understand the requirements for their own protection and the management of any spill or emergency. • The drivers of the vehicles too, are to be trained in how to respond SAFELY to any incident involving the load and who to contact in the case of any emergency: Owner, emergency responders – fire, and medical. First aid skill, as required at the level of the driver too. 	USM: affected staff and drivers, farmers.
Comprehensive SHEQ system in place to cover every risk to the USM.	Mitigation measures	COMPREHENSIVE SHEQ system in place to cover every risk to the USM. Including a comprehensive waste management plan and pollution abatement measures.	USM

I, Kelvin Gibbs (the Applicant) hereby declare that I have read the completed Risk Management Plan form and hereby confirm that the information is, to the best of my knowledge, true and correct

Furthermore, I declare that I am fully aware of my responsibilities in terms of the Waste Exclusion Regulations, and that failure to comply with these Regulations may constitute an offence in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).



Signature of the applicant¹/ Signature on behalf of the applicant:

Kelvin Gibbs

Name of Applicant:

Operations Systems Manager

Designation

20/01/2023

Date:

¹ If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

Annexure 1:
Safety Data Sheet

Safety Data Sheet

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

by: **TALBOT**
talbot.co.za | talbot@talbot.co.za 

Conforms to SANS 10234:2019, SANS 11014:2010
SDS compiled: 2022/10/26. Valid until: 2027/10/25
unless the applicable substance or mixture is altered
Version: 1

WASTE MIXTURE: SLUDGE
PASSVEER DITCH - SLUDGE 26.09.2022

SDS Compiler v20.09.10.05.1

1. Identification

GHS product identifier

Trade name(s) : PASSVEER DITCH - SLUDGE 26.09.2022

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 and Flood Lane

Contact title, name : Ms Gwen Wareham

Phone number(s) : +27 82 827 7669

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

Emergency contacts

Contact title, name : Ms Gwen Wareham

Emergency number(s) : +27 82 827 7669

After-hours number(s) : +27 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 : Not specified due to classification; apply reasonable care.
classified

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/I/SA] %	Classification (Regulation)
Passveer ditch - 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 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.

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

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 slurry
Odour	: Leachate odour
Odour threshold	: No data available.
pH, concentration	: 6.8
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)(i) Waste which has an angle of repose $<5^\circ$, or becomes free-flowing $\leq 60^\circ\text{C}$ or when it is transported, or is not generally capable of being picked up by a spade or shovel. Prohibited from Aug 2019. See explanatory note in the bulleted paragraph below.

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 : No future restrictions identified.

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 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 : 2022/10/26, 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.

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