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	Umfolozi Sugar Mill (Pty) Ltd
CONTACT PERSON	Umfolozi 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 FACILITIY OR FACILITIES						
SOURCE (S) OF WASTE	The Effluent Treatment Plant.					
WASTE TO BE BENEFICIATED	Anaerobic Pond 2 - Sludge					
GPS CO-ORDINATES AT CORNERS OF WASTE GENERATING FACILITY OR FACILITIES ***(Please note that the co-ordinates are for the anaerobic pond 2 - sludge).***	**LATITUDE**			**LONGITUDE**		
	28°	26’	48.67” S	32°	10’	55.69” E
	28°	26’	52.26” S	32°	10’	52.25” E
	28°	26’	55.39” S	32°	10’	58.33” E
	28°	26’	48.93” S	32°	10’	57.65” E
BENEFICIAL USE/S	• 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)
• GENERAL MANAGEMENT of Anaerobic Pond 2 effluent treatment sludge.Pond 2 receives the liquid overflow from the primary settling Dam (pond 2) which is treated by anaerobic digestion to significanty reduce (by up to 90%) the organic components and to stabilize the sludge. • The caution is to ensure that the digestion process is managed so that the sludge remains "healthy" and does not go sour, thus rendering it unusable for soil enhancement.	• The GHS hazard associated with this waste stream is that it is a flammable liquid with a flash point at 93 ^{o}C. Hence is deemed a flammable liquid. • The Safety Data Sheet needs to be part of the safety induction for this sludge, as with all the sludges being used for soil enhancement. • No COD/BOD analyses done for the assessments, but general caution to be exercised with prevention of spills into the environment. • To maximize the re-use of the water back into the sugar mill system mitigates the use of raw water from Umfolozi River.	• No eating, drinking or smoking while working with the sludge. • USM have a well established SHEQ system and an Environmenal Management Plan. Testing of the sludge takes place daily to direct the correct management of the sludge. • The WMP is in draft form. • The SHEQ system requires internal and external audits and continuous improvement to the systems. • Monitor the anaerobic process to ensure the sludge remains "healthy" and actively degrading the organic components. • The SHEQ system and the process management system should identify any issues should the sludge be turning sour before it starts and the management measures required to restore the process.	**Umfolozi Sugar Mill (USM) staff**

	• Sludge analyses need to be conducted regularly and acted upon should the sludge go sour. The issue with sour sludge is that the organic degradation process is inhibited by the drop in pH - down to 4 - 4,5. Hence the stabilization of the organic stream will not take place, and at the pH value, the metals become leached out.		
Anaerobic Pond 2 - Sludge waste removal on demand.	• Pond 2 not desludged adequately over time and running out of storage space - dam capacity is reduced, and one reason would be if demand is low. Result would be that the dam would then start to overflow causing environmental harm to surrounding flora. • In rain events this would be a problem. The reason would be due to remaining COD/BOD and suspended matter in the sludge.	• **Responsibility: USM** to ensure no unnecessary pollution occurs from this waste source and dam is desludged timeously. • It is the **manager responsible for the distribution of the waste**to the particular recipients for the administration to record this activity: the frequency of waste removal and to whom the waste is being distributed to. • Unable to estimate the weights of sludge, as effluent Dam s are desludged when needed and sludge is not taken over the weighbridge. • Should space become a problem , then the sludge must be sent to the landfill site, but desludging must be done before a problem occurs. Landfilling is undesirable, farmers to be informed of sludge availability. Objective is that all the sludge is taken. • Monitoring of the sludge levels. Should there be circumstances that would reduce the removal rate of the sludge, then the dam level must be closely monitored to	**Responsibility: USM Manager responsible for the management of the site and the distribution of the waste**

		ensure this facility can cope with any excess overflow from Pond 1.	
Access to Anaerobic Pond 2 - sludge waste area.	**Security and Safety:** • Trespassers entering this area illegally risk the possibility of spillages, accidents, - because the sludge is a flammable liquid, circumstanes may present themselves that sparks or flames from smoking may cause a fire. • Drowning in the pond.	**USM gate security** • Mill has strict access control and onsite security. • 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. • Security to check no overfilled tractors when leaving. • Collectors will report to USM main security gate first, once paperwork is done, they will proceed to the weighbridge to weigh the vehicles. • After loading they will proceed back to our weighbridge to be weighed again. • Waste Collects will have Safety files with USM Compliance Department which will include the requirements ito inductions, PPE, site standards, vehicle standards, etc.	**USM gate security**
Process of transferring Anaerobic pond 2 - sludge from the sludge storage area to the receiving vehicles.	**Dust:** • If the sludge is spilt and allowed to dry out; Windblown from the process of sludge transfer with pay loader. **Spillage:** • Onto area outside of bunded area.	**Manager responsible for waste and operations - Civils Manager:** • Keep the sludge waste moist to minimise dust formation and hence from being blown about. • Ensure that only the responsible personnel needed for the activity are in the area for the duration of the transfer. • Ensure correct PPE is used in the area as per SDS: appropriate clothing footwear and respiratory protection is worn that is appropriate to the dust that may be generated. Eye wash and safety shower station to be clearly demarcated and close by.	**Manager responsible for waste and operations - Civils Manager**

	• Onto personnel not authorised to be at the location. • Vehicle damage from overfilling, resulting in spillges outside of mill site. **Economics:** • The cost of unnecessary effort to clean-up spillages on site, and that which the vehicle may spill on the route even within the mill site.	• Careful management of the transfer of SLUDGE waste. to vehicles. Procedure very clear to limit of vehicle load, to minimise on-site and off-site spillage. Clean up any litter and other materials that can contribute to the contamination of the sludge waste.	
Transporting of Anaerobic Pond 2 – Sludge waste to farms.	**Spillage:** • Overfilling of the receiving vehicle trailer with sludge. • Road accidents. • Vehicle failure • Non –compliance to the ROAD TRAFFIC ACT. (RTA). • Soil contamination. Affects the flora and local animals, domestic and wild as well as residents. • Natural watercourses contamination.	• Ensure vehicles are well maintained with service records available. • The condition of the vehicle is to be monitored by the famer 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. • 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. • Procedure for off-loading of sludge waste. in the designated drop-off zones. The protocol 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.. • If necessary to tarp the sludge if dry. • Driver to contact farmer to clear up any spillages that occur on public roads and especially into any water courses.	**Farmer/owner, of vehicle, driver supervisor and driver, USM weighbridge & security**

		Spillage and nuisance and register these on the SHE system. Address these with the responsible owner/driver. • Emergency procedures clearly outlined for the implications of safety, accidents and clean-up. Clean-up protocols sufficient for clean-up to deal with the maximum loads. Including clean-ups, barriers, 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.	
Anaerobic Pond 2 - Sludge waste off-loading on designated areas on farms.	**Spillage:** • Outside of designated area. and possible run-off • Depending on the offloading procedure on the receiving farm, the equipment used to offload may spill residual mixture when travelling to other places to do work.	• Ensure that the sludge waste is still moist to reduce the potential of windblown dust nuisance. The sludge dispersion onto the fields is done prompty and is managed correctly. Any run-off is minimised by preventing run-off to any natural water source. This can be prevented by ensuring the riparian zone for the water course is intact. • The protocol for spreading onto the soils would be the same as any commercial fertilizer and lime additives to the soil management. • Ensure correct and appropriate PPE is used. Eye wash. bottles to be available on the off-loading vehicle. • From a cradle to grave perspective 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.	**Farmer/landowner and end-user of the sludge waste**
Storage at end user facilities.	• Run off and possible windblown dust if mixture is allowed to dry. • Unauthorised removal of material.	• 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.	**Farmer, landowner, end-user**

		• Best for farmer to apply sludge onto land upon delivery to the land - no storage.	
Anaerobic Pond 2 - Sludge waste management during distribution onto the intended farm soil as the fertilizer/soil enhancer.	**Health:Dust:** • There may be health impacts from working with the possibly dried sludge during the spreading of fertilizer operations. **Environment:** • Any run-off from the wet sludge spreading operations will affect the receiving environment if not managed correctly, especially near to natural water sources.	• 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 is to keep the waste away from the possibility of run-off to cause pollution in the natural water sources. The same protocols would apply as to application of commercial fertilizer onto the fields. • The farmer designates a loading zone which the sludge waste. is off-loaded. The grower in turn distributes over their land at their own discretion. Best to distributes over land immediately as delivered - no storage. If storage necessary, distribution onto the soils is managed to ensure all the sludge is used up, nothing left. • Ensure that this waste is kept away from any natural water course and from informal and standard residential areas.	**Farmer and USM Cane Supply, property owner and field staff with field supervisors**
Repeat application onto the same fields.	**Environment:** The frequency of application if not adhered to by the qualified agronomist may result in toxic material/salinity build up if the soils and application are not monitored.	• Ensure that the work is conducted with the inputs of a qualified agronomist that the soil viability is retained. • To prevent any possible 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.	**Environment:** • Secondary waste generation would involve having the sludge with litter oily rags and such being spread over the fields. This shouldn't happen as the	• Litter management procedures are in place to ensure these are cleaned up immediately on site to prevent contamination at the effluent treatment plant and sludge. • Have appropriately labelled waste skips/containers available to collect such waste.	**USM**

	screens at pond 1 should remove this waste. However, should there be any windblown litter, or unnecessary littering by the staff, it may contaminate the sludge. • The generation of secondary waste is minimal at this point though.		
Emergency responders.	Positive	• 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 emergencies. Use of the SDS is important. • 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. • The driver must know the protocol to manage the incident: and who to contact: Owner, emergency responders – fire, and medical. First aid skill, as required at the level of the driver too.	**USM waste manager and SHEQ manager, 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. • Policy of continuous improvement assists in keeping the system current.	**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 applicant[1]/ Signature on behalf of the applicant:

Kelvin Gibbs

Name of Applicant:

Operations Systems Manager

Designation

20/09/2023

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
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Conforms to SANS 10234:2019, SANS 11014:2010
SDS compiled: 2022/10/25. Valid until: 2027/10/24
unless the applicable substance or mixture is altered
Version: 1

SDS Compiler v20.09.10.05.1

WASTE MIXTURE: SLUDGE
POND 2 - SLUDGE 26.09.2022

1. Identification

GHS product identifier

Trade name(s)	: POND 2 - 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	: 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**
4 :	COMBUSTIBLE LIQUID

Hazards not otherwise classified : No data available.

GHS hazard label elements

Symbol(s) :

Signal word : **WARNING**

GHS hazard statements

Physical

H227 : Combustible liquid

Health

No data available.

Environmental

No data available.

Precautionary measures label elements

General

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

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)
Pond 2 - sludge	-	100%	H227

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

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

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. 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	: No data available.
Delayed effects	: No data available.
Symptoms / effects	: No data available.

Protection of first-aiders and notes for attending physicians

First-aider 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. 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	: No data available.

Secondary disaster prevention measures	:	No data available.
Additional information	:	No data available.

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.
Safe storage	:	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.
Additional information	:	No data available.

9. Physical and chemical properties (whole waste mixture)

Appearance	: Brown sludge
Odour	: Earthy odour
Odour threshold	: No data available.
pH, concentration	: 7.5
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 - 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 decompostion : 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 : No current prohibitions identified.

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: 8.02 %. (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 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	: 2022/10/25, Version: 1, Revision: -
Revision(s)	: Not applicable

Summary of Mixture Hazard Classification and Categories

4 : COMBUSTIBLE LIQUID

Summary of Mixture Hazard Statements

H227 : Combustible liquid

Signal word : **WARNING**

Other : No data available.

Disclaimer & Use

This Safety Data Sheet (SDS) has been prepared based on information provided to the compiler and the series of physico-chemical tests conducted at the time, as well as regulations, methods and principles per the regulatory information noted in Section 15 herein. Should additional, supporting, or contrary information be identified to that which is contained herein, Talbot and the contact person noted in Section 1 must be informed immediately. The observations and recommendations made herein, and any other information or statements contained in this SDS must be applied with common sense. A precautionary, or minimum requirement, approach should be adopted in terms of all measures contained herein. This SDS is not a substitute for appropriate communication and training in terms of the hazards of the substance or mixture in question, nor the safe and legal handling, storage, transportation, and disposal. This SDS is not a toxicological study, standard operating procedure, risk assessment, license for handling, storage, transportation, or disposal of any substance or mixture, or a waste manifest. The developer of the waste pack compiler N.Hart, SDS author, and Talbot (Pty) Limited accept no liability whatsoever associated with the generation or use of this SDS or the information, observations, statements, or recommendations made herein. End of SDS.