



AIRPORTS COMPANY
SOUTH AFRICA

WASTE CLASSIFICATION

SOLVENT SLUDGE



PREPARED FOR :

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ABSTRACT

As per South African National Standard for Globally Harmonized System of Classification and Labelling of Chemicals (SANS 10234:2008); Solvent Sludge has been analytically classified and is deemed a type 1 waste after pre-treatment. If the disposal is required at a landfill site, it can be directed to a Class A landfill site.

INTRODUCTION

Dolphin Coast Environmental and Laboratory Solutions (DCELS), has been appointed by Resource Innovations Africa (Pty) Ltd to develop a Safety Data Sheet (Annexure 1) on a waste stream generated by the ACSA – King Shaka International Airport, namely: solvent sludge. Also, DCELS was requested to classify the waste following the guidance provided by the Waste Classification and Management Regulations Government Notice 634 of 2013. This is for the organization to understand the requirements for handling and disposal of the above-mentioned waste stream. The samples will be reviewed, classified and a safety data sheet (SDS) generated following SANS 10234.

BACKGROUND

Resource Innovations Africa (Pty) Ltd has provided DCELS with the relevant Material Safety Data Sheets and process description. (Annexure 3)

BASIC ASSESSMENT METHODOLOGY

The above-mentioned waste stream has been analyzed as per the norms and standards (Annexure 2) which has been evaluated and compared in the following manner; -

Two parts are reviewed when determining the type of waste:

1. The TC is compared to three threshold values stipulated by the regulations that are; TCT0, TCT1, and TCT2. The threshold values were obtained from various sources such as land remediation values, Environmental protection agency, and SA soil screening values.
2. The LC is compared to four threshold values stipulated by the regulations that are; LCT0, LCT1, LCT2, and LCT3. The threshold values were obtained from various sources such as the standard for human effects listed for drinking water and World health organization guidelines.

To determine the type of waste and class of landfill that the waste can be disposed of at, the TC and LC must be assessed as per table 1 below against the given threshold limits in the method listed below.



Table 1: Criteria used to determine the type of waste.

TYPE	THRESHOLD LIMITS
0	$LC > LCT3$ or $TC > TCT2$
1	$LCT1 < LC \leq LCT2$ or $TCT1 < TC \leq TCT2$
2	$LCT1 < LC \leq LCT2$ and $TC \leq TCT1$
3	$LCT0 < LC \leq LCT1$ and $TC \leq TCT1$
4	$LC \leq LCT0$ and $TC \leq TCT0$

CONCLUSION

The waste stream has been deemed a type 1 waste stream. Waste was pre-treated with ash at a ratio of 5:1 before analysis due to known processes. Waste deemed a type 1 due to elevated concentrations of Hydrocarbons and Lead present in the waste. If disposal at a landfill is required it can be directed to a Class A landfill site.

Waste has been deemed a liquid and as of August 2019; waste will not be accepted at a landfill site and an alternate facility will have to be sourced.

RECOMMENDATIONS

Note: According to Government notice 634, these classification results are valid for 5 years, if the process from which the product is derived from changes, the waste stream thereof has to be re-classified within 30 days from the change of process.

Date report generated: May 2019

Expiration Date of report: May 2024



ANNEXURE ONE

A Safety Data Sheet is required for the above-mentioned product stream-based as prescribed in the SANS 10234:2008.

Safety Data Sheet

Waste stream: Solvent Sludge
Report Ref:

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Revision date: April 2019
Version: 0

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Waste Stream Solvent Sludge		
Waste generation Process		
Restrictions on use Not to be re-used.		
Generators Name ACSA – King Shaka International Airport		
Street address 225 Musgrave Road		
City Durban	Province	
Postal Code 4001	Emergency Telephone 0798964843	
Fax n/a	Email pranisha@riafrica.co.za	
Date SDS prepared June 2019	SDS prepared by Dolphin Coast Environmental Laboratory Solutions	Phone number/ Email Address 087 353 9750 / info@dcels.co.za

SECTION 2 HAZARDS IDENTIFICATION


Human Health	Carcinogen (Category 1A) - H350 Reproductive (Category 1A) - H360 Specific target organ toxicity – repeated exposure (Category 1) - H372
Environment	Aquatic Chronic (Category 2) - H411
Physical	None Identified
Signal words	DANGER

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Hazard Statements	<p><u>PHYSICAL</u> None identified</p>	<p><u>HEALTH</u> H350: May cause cancer. H360: May damage fertility or the unborn child H360FD: May damage fertility. May damage the unborn child. H372: Causes damage to organs through prolonged or repeated exposure. Affected organs: Causes damage to the central nervous system, blood, and kidneys through prolonged or repeated exposure by inhalation or ingestion Route of exposure: oral and inhalation</p>	<p><u>ENVIRONMENTAL</u> H411: Toxic to aquatic life with long-lasting effects. Hazardous to the ozone layer</p>
Precautionary statements	<p><u>PREVENTION</u> P202: Do not handle until all safety precautions have been read and understood. P264: Wash hands, face and other affected areas thoroughly after handling P273: Avoid release to the environment. P281: Use personal protective equipment as required.</p>	<p><u>RESPONSE</u> P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P308+P313: IF exposed or concerned: Get medical advice/attention P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.</p>	<p><u>STORAGE/DISPOSAL</u> P501: Dispose of contents/container to an approved facility</p>
<p>Pictograms:</p> 			

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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance		Mixture	X
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The contaminants are listed below:

Hazardous ingredients	Total concentration (mg/kg)	CAS Number
Petroleum		64742-55-8
Lead		7439-92-1

Note: All concentrations are based on the worst-case scenario.

Due to the presence of Petroleum above waste can be:

- A reproductive toxicant category 2; H361d (Suspected of damaging the unborn child) and
- Specific target organ toxicant category 1; H372 (Causes damage to organs through prolonged or repeated exposure) need not apply if the substance is not classified as carcinogenic.

SECTION 4 FIRST AID MEASURES

Skin contact: Wash residue from the skin with soap and water.
Eye contact Immediately flush eyes with plenty of water, lifting upper and lower eyelids occasionally. Get medical attention if irritation occurs and persists. Eyewash stations in the working area are recommended.
Inhalation In the event of excessive inhalation of dust; remove person to fresh air. Seek medical attention if necessary.
Ingestion Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation or symptoms persist.
Most important symptoms and effects (acute and delayed): Symptoms: None Identified Effects: None Identified
Protection of First Aiders and notes for the doctor: Show this safety data sheet to the doctor in attendance,

Safety Data Sheet



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SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide	Unsuitable extinguishing media Do not use water and foam simultaneously. Do not use water jet
Hazardous combustion products: Combustion materials may be toxic. Burning may produce carbon monoxide, carbon dioxide, and other unidentified organic compounds.	
Precautions for Fire-fighters Complete personal protective equipment (PPE) to be worn.	

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precaution Wash hands, forearms, and face thoroughly after handling waste stream; before eating, smoking, using the lavatory, and at the end of the workday. Remove potentially contaminated clothing and wash before re-use. Avoid breathing excess amounts of dust. Access to the area must be restricted to authorized personnel only.
Protective Equipment See section 8
Emergency Procedures Evacuate non-essential staff. Health and Safety personnel on-site must be contacted to ensure all precautionary measures are taken and correct procedures are followed.
Environmental Precautions Collect recovered Waste and other materials in suitable tanks or containers for safe disposal. The material must not be allowed to enter waterways and streams.
Materials for containment Small Spills - Spill kits should be available in appropriate locations i.e. waste storage area, loading area, and en-route to the disposal facility. Large Spills - Appropriate hazmat team must be appointed by responsible personnel to ensure the spill is appropriately cleared. Disposal vehicles must have adequate labeling. Collect using the suitable method and dispose of according to applicable regulations and permit requirements. Prevent wind dispersal. Ensure suitable protective clothing during the removal of spillages. Prevent from entering drains, sewers, or watercourses. Absorb spillages onto vermiculite or any other inert absorbent material. Transfer to a lidded container for disposal.
Methods and materials for clean-up, neutralization, and recovery Contain, collect, and dispose of spilled waste as per local regulations and permit requirements.



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SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Ensure that all relevant regulations regarding explosive atmospheres, and handling and storage facilities of flammable products. Keep away from sparks/open flames/hot surfaces. – No smoking.
Avoid inhalation of excessive amounts of fumes. Remove contaminated clothing and protective equipment before entering eating areas or leaving work.

Conditions for safe storage

Before disposal product must be stored in a dry, cool, and well-ventilated area. The area must be bunded to ensure the waste/product doesn't leach into the surrounding areas.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentrations Date: No data available Source: No data available Recommended test method: No data available	OEL No data Available	Biological limits See comment below
Engineering controls Ensure sufficient ventilation. Reduce inhalation hazards contaminants by minimizing occupational exposure. Local Regulations must adhere to emissions of volatile substances.		
PPE: Respiratory Protection: Use approved respirator if ventilation is not sufficient and if mists are generated. Hand Protection: chemically resistance gloves should be used Eye Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dust. Skin and Body Protection: Chemical resistant clothing		
Comments: No conclusive exposure limits have been determined.		

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance Black Liquid	Odor Strong Characteristic Odour	pH (concentration) No Data Available
Melting point No Data Available	Freezing point No Data Available	Boiling point, initial boiling point, boiling range No Data Available

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Flashpoint Flash at 60°C	Upper/lower flammability/explosive limits No Data Available	Vapour pressure No Data Available
Vapour density No Data Available	Density/relative density No Data Available	Solubility Not soluble
n-octanol/water partition coefficient No Data Available	Auto-ignition temperature No Data Available	Decomposition temperature No Data Available
Odor threshold No Data Available	Evaporation rate No Data Available	Flammability Not flammable
Viscosity No Data Available	Radioactivity No Data Available	

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If no, under which conditions Avoid moisture. Heat, flames, and sparks.
Incompatibility with other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, which ones? Strong oxidizing agents. Amines, Bases
Anticipated hazardous decomposition products None identified	

SECTION 11 TOXICOLOGICAL INFORMATION

Component 1 – Lead	
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 include in vitro mutagenicity No Data Available	Carcinogenicity Carcinogen (Category 1A) H350: May cause cancer.
Reproductive toxicity Reproductive (Category 1A) H360: May damage fertility or the unborn child	Specific target organ toxicity – single exposure No Data Available

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Specific effect: H360FD: May damage fertility. May damage the unborn child.	
Specific target organ toxicity – repeated exposure STOT Repeated Exposure (Category 1) H372: Causes damage to organs through prolonged or repeated exposure. Affected organs: Causes damage to the central nervous system, blood, and kidneys through prolonged or repeated exposure by inhalation or ingestion Route of exposure: oral and inhalation	Aspiration hazard No Data Available

SECTION 12 ECOLOGICAL INFORMATION

Component 1 – Solvent Sludge	
Aquatic toxicity No Data Available	Possible environmental impact No Data Available
Persistence and biodegradability No Data Available	Bio-accumulative potential No Data Available
Mobility in soil No Data Available	Ecological Limit Values No Data Available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods None Identified
Waste Disposal options Waste shall be disposed of according to all applicable regulations. As per the new waste regulations records of all waste been disposed of must be retained and a safe disposal certificate, where applicable, must also be received from the waste disposal facility
Any other information Waste has been classified as a type 1 waste stream after pre-treatment and can be disposed of at a Class A landfill designed following section 3(1) and 3(2) of the standards (GNR 634).

SECTION 14 TRANSPORT INFORMATION

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UN number 1993	UN proper shipping name Flammable liquid	UN classification 3
Packaging group II	Marine Pollutant No	Transport in bulk according to MARPOL No
Special Precautions Drivers and conductors must be trained to ensure the correct protocol is followed.		

SECTION 15 REGULATORY INFORMATION

Labeling Requirements



SECTION 16 OTHER INFORMATION

A large quantity of data has been reviewed from various sources based on the substances that could have potentially contaminated the above-mentioned waste stream.

The waste mentioned above may be flammable as a standalone chemical however the above-mentioned waste contains minute amounts. All precautions must be exercised to ensure the no smoking is practiced near this bin.

The information gathered and contents of this Safety Data Sheet are based on the current knowledge of the contaminants and an overall description of what could be harmful to humans/aquatic environment. The waste stream must not be used for any other purpose unless handling instructions are obtained from the supplier.

ABBREVIATIONS:

- STEL - Short-term exposure limits
- TWA - Time-weighted average

Risk Phrases that might apply to the above product:

R38 Irritating to skin

REFERENCES:

1. The European Chemicals Agency. [ONLINE] Available at <http://echa.europa.eu/>.
2. Sigma-Aldrich. 2014. Sigma-Aldrich. [ONLINE] Available at <https://www.sigmaaldrich.com/south-africa.html>.
3. Various Material safety data sheets reviewed.
4. Process overview supplied by FFS Refiners (PMB)
5. SANS 10243 (2008) Globally Harmonized System of classification and labeling of chemicals

NOTICE: DCLM has completed this SDS through information conducted in good faith and believed to be correct and according to SANS 10234 at the date hereof. DCLM makes no depiction as to the completeness or accuracy thereof. Information is

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supplied and it is the responsibility of the persons receiving the substance to make their determination as to the safety and suitability of their purposes before use. DCLM accepts no responsibility for damages of any nature whatsoever resulting from the use or reliance on the above information.





ANNEXURE 2

BASIC ASSESSMENT TO LANDFILL AS PER NATIONAL NORMS AND STANDARDS

Total Concentration Threshold (TCT) Limits (mg/kg)

Elements and Chemical Substances in Waste	TCT0	TCT1	TCT2	TC : Ashblended 5:1	KEY	
METAL IONS					Type 0	
As, Arsenic	5.8	5000	2000	0.9	Type 1	
B, Boron	150	15000	60000	42.08	Type 2	
Ba, Barium	62.5	6250	25000	534	Type 3	
Cd, Cadmium	7.5	260	1040	0.1	Type 4	
Co, Cobalt	50	5000	20000	10.9		
Cr _{Total} , Chromium Total	46000	800000	N/A	560.9		
Cr(VI), Chromium (VI)	6.5	500	2000	0.3		
Cu, Copper	16	19500	78000	7		
Hg, Mercury	0.93	160	640	0.1		
Mn, Manganese	1000	25000	100000	918		
Mo, Molybdenum	40	1000	4000	2.7		
Ni, Nickel	9	10600	42400	15		
Pb, Lead	20	1900	7600	1904		
Sb, Antimony	10	75	300	3		
Se, Selenium	10	50	200	1		
V, Vanadium	150	2680	10720	26		
Zn, Zinc	240	160000	640000	436		
INORGANIC ANIONS						
TDS						
Chloride						
Sulphate						
NO ₃ as N, Nitrate-N						
F, Fluoride	100	10000	40000	5		
CN (Total), Cyanide Total	14	10500	42000	0.5		
ORGANICS						
Benzene		10	40	0.935		
Benzo(a)pyrene		1.7	40	0.041		
Carbon tetrachloride		4	16	0.004		
Chlorobenzene		8800	35200	0.003		
Chloroform		700	2800	0.003		
2-Chlorophenol		2100	8400	0.01		
Di (2 ethylhexyl) phthalate		40	160	6.453		
1,2-Dichlorobezene		31900	127600	0.004		
1,4-Dichlorobenzene		18400	73600	0.004		
1,2-Dichloroethane		3.7	14.8	0.006		
1,1-Dichloroethylene		150	600	0.004		
1-2-Dichloroethylene		3750	15000	0.004		
Dichloromethane		16	64	0.03		
2,4-Dichlorophenol		800	3200	0.01		
2,4-Dinitrotoluene		5.2	20.8	0.01		
Ethylbenzene		540	2160	193.448		
Formaldehyde		2000	8000	2		
Hexachlorobutadiene		2.8	5.4	0.01		
Methyl ethyl ketone		8000	32000	0.187		
MTBE (Methyl t-butyl ether)		1435	5740	0.002		
Nitrobenzene		45	180	0.01		
Petroleum H/Cs, C6 to C9		650	2600	2507.2		
Petroleum H/Cs, C10 to C36		10000	40000	609		
Phenols (total, non-halogenated)		560	2240	0.3		
Polychlorinated biphenyls		12	48	0.01		
Styrene		120	480	0.003		
1,1,1,2-Tetrachloroethane		400	1600	0.003		
1,1,2,2-Tetrachloroethane		5	20	0.003		
Tetrachloroethylene		200	800	0.006		
Toluene		1150	4600	36.757		
Trichlorobenzenes (total)		3300	13200	0.014		
1,1,1-Trichloroethane		1200	4800	0.003		
1,1,2-Trichloroethane		48	192	0.003		
Trichloroethylene		11600	46400	0.003		
2,4,6-Trichlorophenol		1770	7080	0.01		
Vinyl Chloride		1.5	6	0.002		
Xylenes (total)		890	3560	640.275		
PESTICIDES						
Aldrin + Dieldrin	0.05	1.2	4.8	0.01		
DDT + DDD + DDE	0.05	50	200	0.01		
2,4-D	0.05	120	480	0.1		
Chlordane	0.05	4	16	0.02		
Heptachlor	0.05	1.2	4.8	0.01		

Leachable Concentration Threshold (LCT) Limits (mg/l)

Elements and Chemical Substances in Waste	LCT0	LCT1	LCT2	LCT3	LC: Ashblended 5:1	KEY	
METAL IONS						Type 0	
As, Arsenic	0.01	0.5	1	4	0.0025	Type 1	
B, Boron	0.5	25	50	200	0.899	Type 2	
Ba, Barium	0.7	35	70	280	0.479	Type 3	
Cd, Cadmium	0.003	0.15	0.3	1.2	0.0005	Type 4	
Co, Cobalt	0.5	25	50	200	0.016		
Cr _{Total} , Chromium Total	0.1	5	10	40	0.0277		
Cr(VI), Chromium (VI)	0.05	2.5	5	20	0.006		
Cu, Copper	2	100	200	800	0.007		
Hg, Mercury	0.006	0.3	0.6	2.4	0.001		
Mn, Manganese	0.5	25	50	200	1.134		
Mo, Molybdenum	0.07	3.5	7	28	0.008		
Ni, Nickel	0.07	3.5	7	28	0.008		
Pb, Lead	0.01	0.5	1	4	0.132		
Sb, Antimony	0.02	1	2	8	0.002		
Se, Selenium	0.01	0.5	1	4	0.003		
V, Vanadium	0.2	10	20	80	0.0321		
Zn, Zinc	5	250	500	2000	2.992		
INORGANIC ANIONS							
TDS	1000	12500	25000	100000	1244		
Chloride	300	15000	30000	120000	3.7		
Sulphate	250	12500	25000	100000	113.4		
NO ₃ as N, Nitrate-N	11	550	1100	4400	0.05		
F, Fluoride	1.5	75	150	600	0.8		
CN (Total), Cyanide Total	0.07	3.5	7	28	0.01		
ORGANICS							
Benzene		0.01	0.02	0.08	0.0106		
Benzo(a)pyrene		0.035	0.07	0.28	0.001		
Carbon tetrachloride		0.2	0.4	1.6	0.002		
Chlorobenzene		5	10	40	0.002		
Chloroform		15	30	120	0.002		
2-Chlorophenol		15	30	120	0.001		
Di (2 ethylhexyl) phthalate		0.5	1	4	0.005		
1,2-Dichlorobezene		5	10	40	0.003		
1,4-Dichlorobenzene		15	30	120	0.003		
1,2-Dichloroethane		1.5	3	12	0.003		
1,1-Dichloroethylene		0.35	0.7	2.8	0.002		
1-2-Dichloroethylene		2.5	5	20	0.006		
Dichloromethane		0.25	0.5	2	0.02		
2,4-Dichlorophenol		10	20	80	0.0005		
2,4-Dinitrotoluene		0.065	0.13	0.52	0.0005		
Ethylbenzene		3.5	7	28	0.002		
Formaldehyde		25	50	200	0.5		
Hexachlorobutadiene		0.03	0.06	0.24	0.001		
Methyl ethyl ketone		100	200	800	0.199		
MTBE (Methyl t-butyl ether)		2.5	5	20	0.0001		
Nitrobenzene		1	2	8	0.001		
Petroleum H/Cs, C6 to C9		N/A	N/A	N/A			
Petroleum H/Cs, C10 to C36		N/A	N/A	N/A			
Phenols (total, non-halogenated)		7	14	56	0.2		
Polychlorinated biphenyls		0.025	0.05	0.2	0.0002		
Styrene		1	2	8	0.002		
1,1,1,2-Tetrachloroethane		5	10	40	0.002		
1,1,2,2-Tetrachloroethane		0.65	1.3	5.3	0.004		
Tetrachloroethylene		0.25	0.5	2	0.003		
Toluene		35	70	280	0.016		
Trichlorobenzenes (total)		3.5	7	28	0.006		
1,1,1-Trichloroethane		15	30	120	0.002		
1,1,2-Trichloroethane		0.6	1	4	0.002		
Trichloroethylene		0.25	2	8	0.003		
2,4,6-Trichlorophenol		10	20	80	0.001		
Vinyl Chloride		0.015	0.03	0.12	0.0001		
Xylenes (total)		25	50	200	0.02		
PESTICIDES							
Aldrin + Dieldrin		0.015	0.03	0.03	0.00003		
DDT + DDD + DDE		1	2	2	0.00006		
2,4-D		1.5	3	3	0.0001		
Chlordane		0.05	0.1	0.1	0.00006		
Heptachlor		0.015	0.03	0.03	0.00003		



ANNEXURE 3

WASTE CLASSIFICATION QUESTIONNAIRE AND SAFETY DATA SHEET SUPPLIED BY
ORGANISATION

Dolphin Coast Environmental and Laboratory Solutions (PTY) Limited



Portion 159 of New Gulderland,
Kwadukuza, 4450
S: 29,18'18"
E: 31,20'01"
info@dcels.co.za

P.O Box 764
Umhlanga Rocks, 4320
Tel: 087 353 9764
Fax: 086 673 7106

WASTE CLASSIFICATION QUESTIONNAIRE

Waste Generator Details

Company Name	ACSA- King Shaka International Airport		
Contact Person	Pranisha Ramchander	Contact Number	0798964843
Fax Number		Email Address	pranisha@riafrica.co.za
Physical Address	225 Musgrave Road, Durban, 4001	Postal Address	

Physical Properties

Appearance

Solid	
Sludge	X
Liquid	

Odour

SLIGHT ODOUR STRONG X NONE

pH	
Flash Point	
Melting Point/Freezing Point	
Initial Boiling Point	
Evaporation Rate	
Flammability	

Vapour Pressure	
Vapour Density	
Relative density	
Solubility	
Decomposition Temperature	
Viscosity	

Waste Generation Details

Industry Type :	Airport
Name of Waste Stream:	Solvent Sludge
Product Use :	To assist in painting applications
Restrictions on use :	N/A

Is the Waste Stream constant or does it vary? If it varies state why?

Constant

Dolphin Coast Environmental and Laboratory Solutions (PTY) Limited



Portion 159 of New Gulderland,
Kwadukuza, 4450
S: 29,18'18"
E: 31,20'01"
info@dcels.co.za

P.O Box 764
Umhlanga Rocks, 4320
Tel: 087 353 9764
Fax: 086 673 7106

Is the waste stable / reactive? If Reactive state what the waste is reactive with.

Stable

Does the waste consist of any metal ion contaminants, e.g. Manganese, Hexavalent chromium, Mercury, Lead etc. if so, please state concentration?

Lead Chrome Pigment >5%

Does the waste consist of any pesticides, herbicides, Insecticides, if so, please state concentration?

N/A

Does the waste consist of any Organic contaminants, e.g. PCB, Benzene, Solvents etc., if so, please state concentration?

Xylene (>12.5% w/w)

Toluene (< 12.5% w/w)

Light Aliphatic Petroleum Solvent (<10%)

Does the waste consist of any Inorganic Anions e.g. Chloride, Sulphate, Nitrate etc., if so, please state concentration?

n/a

Is the Waste stream any of the following: GAS, EXPLOSIVES, RADIO ACTIVE, NUCLEAR, MEDICAL/INFECTIOUS?

N/a

Process that generates waste (PFD):

Waste stream generated by painting walls etc.

Dolphin Coast Environmental and Laboratory Solutions (PTY) Limited



Portion 159 of New Gulderland,
Kwadukuza, 4450
S: 29,18'18"
E: 31,20'01"
info@dcels.co.za

P.O Box 764
Umhlanga Rocks, 4320
Tel: 087 353 9764
Fax: 086 673 7106

Major Constituents	Concentration
Xylene (>12.5% w/w)	
Toluene (< 12.5% w/w)	
Light Aliphatic Petroleum Solvent (<10%)	
Lead Chrome Pigment >5%	
Relevant MSDS's and any external report must be submitted to DCELS.	
I hereby certify that the above information supplied is accurate and true description of the waste process. I authorise Dolphin Coast Environmental Laboratory Solutions to obtain samples for further testing.	
Full Name Pranisha Ramchander	Date 20/03/2019
Signature 