

IPPC Installation	IP 0004/07	Thermal Treatment Facility : Albert Town Marsa		
Substance	CAS number	Classification	The maximum quantity (Tonnes)	Notes
Acetylene	74-86-2	Part 2, item 19	0.04	5 cylinders x 9.01 m3 per Cylinder @ 0.899Kg/m3
LPG	68476-85-7	Part 2, item 18	2.602	1 LPG tank x 4025 lts of LPG x 0.55 sg + 20 bottles x 19.4 kg each
Oxygen	7782-44-7	Part 2, item 25	0.05	5 cylinders x 7.08m3 per cylinder @ 1.429 Kg/m3
Diesel	649-330-00-2	Part 2, item 34	74.62	6 tanks x 15,000 lts each +1 tank x 1,000 ltrs @ 0.82 sg
Tallow	61789-97-7	Part 2, item 34	64.8	4 tanks x 18,000 lts each @0.9 sg
Waste oils	N/A	Part 2, item 34	19	20,000 ltr @0.95 sg
Sodium hypochlorite solution 16%-17%	7681-52-9	Part 1, item E1	2.416	2 x IBC's of 1,000 lts @ 1.206 sg.
Hydrogen Peroxide	7722-84-1	Part 1, item P8	0.0565	50 lts @ 1.13 sg

IPPC Installation	IP 0007/13	Malta North Waste Treatment Plant: Naxxar		
Substance	CAS number	Classification	The maximum quantity (Tonnes)	Notes
Acetylene	74-86-2	Part 2, item 19	0.04	5 cylinders x 9.01 m3 per Cylinder @ 0.899Kg/m3
Oxygen	7782-44-7	Part 2, item 25	0.05	5 cylinders x 7.08m3 per cylinder @ 1.429 Kg/m3
Diesel	649-330-00-2	Part 2, item 34	4.92	2 tank x 3,000 lts each @ 0.82 sg
Methane	74-82-8	Part 1, item P2	1.786	Gas bubble 1040m3 x 14mbar + 2 x Digestor tanks 800m3 each x 40mbar =2718.56m3 total volume of gas @ 0.657Kg/m3
Iron(III) chloride	7705-08-0	Part 1, item E1	42.9	30m3 x 1.430 sg
Hydrogen Peroxide.	7722-84-1	Part 1, item P8	2.26	2 x 1,000ltr IBC @1.13sg
Acetic Acid	64-19-7	Part 1, item P5c	32.1	30m3 x 1.070 sg
Formic Acid	64-18-6	Part 1, item H2 Part 1, item P5c	0.075	3 x 25kg drums

IPPC Installation	IP 0005/13	Sant Antnin Waste Treatment Plant: Marsaskala		
Substance	CAS number	Classification	The maximum quantity (Tonnes)	Notes
Acetylene	74-86-2	Part 2, item 19	0.04	5 cylinders x 9.01 m3 per Cylinder @ 0.899Kg/m3
Oxygen	7782-44-7	Part 2, item 25	0.05	5 cylinders x 7.08m3 per cylinder @ 1.429 Kg/m3
Diesel	649-330-00-2	Part 2, item 34	2.46	1 tank x 3,000 ltrs @ 0.82 sg
Methane	74-82-8	Part 1, item P2	1.427	Gas bubble 340m3 x 15mbar + 3 x Digestor tanks 690m3 each x 15mbar =2172.1m3 total volume of gas @ 0.657Kg/m3
Iron(III) chloride	7705-08-0	Part 1, item E1	24.31	17m3 x 1.430 sg
Hydrochloric Acid	7647-01-0	Part 2, item 16	0.058	2 x 25 ltrs Hydrochloric Acid 32% @1.16 sg
Tillflock 9480	69418-26-4	Part 1, item E1	8	

PART 1					Lower Tier Calculatio
Section 'H' - HEALTH HAZARDS					
	List of chemicals in use / stored at Wasteserv facilities	Quantities in use in tons	Lower Tier limits	Upper Tier Limits	
H1 – ACUTE TOXIC All exposure routes	None		5	20	
H2 - ACUTE TOXIC - Category 2, all exposure routes - Category 3, inhalation exposure route	None		50	200	
H3 - STOT			50	200	
SINGLE EXPOSURE STOT SE Category 1	None				
Section 'P' - PHYSICAL HAZARDS					0.1427
	List of chemicals in use / stored at Wasteserv facilities	Quantities in use in tons	Lower Tier limits	Upper Tier Limits	
P1 (a) Explosives	None	-	10	50	
P1 (b) Explosives	None	-	50	200	
P2 FLAMMABLE GASES - Category 1 or 2	Gas bubble 340m3 x 15mbar + 3 x Digester tanks 690m3 each x 15mbar =2172.1m3 total volume of gas @ 0.657Kg/m3	1.427	10	50	
P3 (a) FLAMMABLE AEROSOLS Flammable aerosols Category 1 or 2 containing flammable gases category 1 or 2 or flammable liquids Category 1	None	-	150 (net)	500 (net)	
P3 (b) FLAMMABLE AEROSOLS – Flammable aerosols Category 1 or 2 not containing flammable gases category 1 or 2 nor flammable liquids Category 1	None	-	5,000 (net)	50,000 (net)	
P4 OXIDISING GASES	None		50	200	
P5 (a) FLAMMABLE LIQUIDS - Flammable liquids, Category 1, or - Flammable liquids Category 2 or 3 maintained at a temperature above their boiling point, or  - Other liquids with a flash point ≤ 60°C, maintained at a temperature above their boiling point	None		10	50	
P5 (b) P5(b) FLAMMABLE LIQUIDS - Flammable liquids Category 2 or 3 where particular processing conditions, such as high pressure or high temperature, may create major accident hazards, or - Other liquids with a flash point ≤ 60°C where particular processing conditions, such as high pressure or high temperature, may create major-accident hazards	None		50	200	

<b>P5 (c) FLAMMABLE LIQUIDS</b> -Flammable liquids, Categories 2 or 3 not covered by P5(a) and P5(b)	None		5,000	50,000
<b>P6 (a) SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES</b>	None	-	10	50
Self-reactive substances and mixtures, Type A or B or organic peroxides, Type A or B				
<b>P6 (b) SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES</b>	None	-	50	200
Self-reactive substances and mixtures, Type C, D, E or F or organic peroxides, Type C, D, E, or F				
<b>P7 PYROPHORIC LIQUIDS AND SOLIDS</b>	None	-	50	200
Pyrophoric liquids, Category 1				
Pyrophoric solids, Category 1				
<b>P8 OXIDISING LIQUIDS AND SOLIDS</b>	None	-	50	200
Oxidising Liquids, Category 1, 2 or 3, or				
Oxidising Solids, Category 1, 2 or 3				
<b>Section 'E' - ENVIRONMENTAL HAZARD</b>				
	List of chemicals in use / stored at Wasteserv facilities	Quantities in use in tons	Lower Tier limits	Upper Tier Limits
<b>E1 Hazardous to the Aquatic Environment</b>	17m3 x 1.430 sg	24.31	100	200
Category Acute 1 or Chronic 1	Tillflock 9480	8		
<b>E2 Hazardous to the Aquatic Environment</b>	None		200	500
Category Chronic 2				
<b>Section 'O' - OTHER HAZARDS</b>				
	List of chemicals in use / stored at Wasteserv facilities	Quantities in use in tons	Lower Tier limits	Upper Tier Limits
<b>O1 Substances or mixtures with hazard statement EUH014</b>	None		100	500
<b>O2 Substances and mixtures which in contact with water emit flammable gases, Category 1</b>	None		100	500
<b>O3 Substances or mixtures with hazard statement EUH029</b>	None		50	200
<b>PART 2</b>				
	List of chemicals in use / stored at Wasteserv facilities	Quantities in use in tons	Lower Tier limits	Upper Tier Limits
<b>16. Hydrogen Chloride (Liquified gas)</b>	2 x 25 ltrs Hydrochloric Acid 32% @1.16 sg	0.058	25	250
<b>18. Liquefied flammable gases, Category 1 or 2 (including LPG) and natural gas</b>	None		50	200

0.3231

0.00232

19. Acetylene	5 cylinders x 9.01 m3 per Cylinder @ 0.899Kg/m3	0.04	5	50	0.008
25. Oxygen	5 cylinders x 7.08m3 per cylinder @ 1.429 Kg/m3	0.05	200	2000	0.00025
34. Petroleum products and alternative fuels (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams) (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)	1 tank x 3,000 ltrs @ 0.82 sg	2.46	2500	25000	0.000984

Total 0.48