4.2 Environex activities overview								
Location	Activity	Chemical	Blending Y/N	Storage Y/N	Tank Volume	Frequency of use	Emissions?	Comment on Activity
GTD1	Load in/out	Chlorine	N	Υ	23KL	daily	No	non fuming chlorine tank. Filled via tanker on bunded receivals area. Decants take place from tank into IBC in same bunded area
GTD2	Load in/out	Citric Acid 50%	N	Y	20.4KL	40%	No	Tank has scrubbers fitted. Product is non fuming. Transferred to IBCs or ISO via pump configuration in bunded area
GTD3	Load in/out	SMBS40%	N	Υ	38KL	60%	No	SMBS is mixed in PTP1 which is a full enclosed blending vessel. Completed liquid is transferred to GTD3 via pump for storage. Decanted from GTD3 into ISO on bunded floor
GTD4	Mixing	SMBS40%	Y	N	9KL	80%	No	as per above. The mixer is used to formulate the powder into liquid and then transferred across for storage. Powder is introduced via bulk bag inhopper into flowveyer. No dust is generated
GTD5	Load in/out	ZOC Liquid	N	Y	27KL	25%	No	blended liquid from GTD6 is transferred into this holding tank. Decants take place from GTD5 into 20KL road tanker which is loaded on the bunded loading area
GTD6	Mixing	ZOC Liquid	Y	N	15KL	50%	No	ZOC powder is supplied in 1000kg bulk bags. Placed into a hopper where they are cut and powder released. There is no opportuinty for loss of containment. Hopper emptied into mixer powder receival point for stirrin
GTD7	Load in/out	ZOC Liquid	N	Y	25KL	25%	No	blended liquid from GTD7 is transferred into this holding tank. Decants take place from GTD5 into 20KL road tanker which is loaded on the bunded loading area
GTD8	Load in/out	Ferric Sulfate	N	Y	17.5KL	20%	No	receipt of Ferric sulfate from tanker truck into recieval point in bunded loading area. Decants take place from GTD8 into 1000L IBCS on the bunded loading area
PDA3	Storage	Alkalis	N	Y	n/a	daily	No	storage of class 8 Alkali IBCS
PDA4	Storage	Oxidising	N	Y	n/a	daily	No	storage of class 5.1 oxidising agents. Pack sizes from 10kg pails on plastic pallets. 25kg liquid product on plastic pails.
PDA1	Storage	Flammable	N	Y	n/a	10%	No	storage of finished packaged goods in small pack sizes. 15L and 20L pack sizes. No mixing or blending.
PDA7	Storage	Acids	N	Y	n/a	50%	No	storage of imported class 8 Acids for direct resale to customers. Limited storage of some formulated acids made in Bunbury. All contained within a bunded area
PDB1	Storage	Class 8s	N	Y	n/a	daily	No	storage of 15L, 20L and 200L finished goods. Half of the warehouse is alkali and other half acid. Product is segregated by product class and contained with bunding.
PDB2	Storage	ZOC powder	N	Y	n/a	daily	No	storage of zirconium oxychloride powders out of the elements used for production of Zoc liquid in area GTD6
PTP2	Blending	Non DG - class 8	Y	N	mixture	daily	No	formulation of water based cleaning and sanitising detergents in addition to flocculents and basic water treatment chemicals. Area is all budned and feeds water treatment plant
								key infrastructre being 8KL mixing vat, 5KL mixing vat and a 3KL mixing vat. Minimal blending takes place in Bunbury for these smaller type blends.
Discharge	Water release		N	Y			No	all water collected outside the buildings are collected within the existing containment bunds. The main driveway and the area at the back of the factory are also bunded areas
								that contain rain water. The bund water is pH tested and released into the main drain lines. If the pH is not neutral the water is pumped into IBCs and then added to our treatment
								system for further processing.
								Water from rinsing out the vats inside and washdown water is captured via internal drains which feed into the ground sump tank. From the sump tank the water is pumped
								across to a holding tank which assist with primary settling. From here water is transferred across to a pH balancing tank where an agitator mixes the solution and takes pH readings
								to adjust to Water corp parameters. Once the water is in the requied specification, it is pumped across to a final holding tank before being released to sewer.
								when we discharge water to sewer we record the pH. We are monitored by Water Corporation to ensure complicance with trade waste.
								Environex Bunbury has no fuming acids (Hydrochloric acid/Sulfuric acid) bulk tanks on site. We have no products that require emissions controls.
	Kilogram output	Bunbury wareh	ouse	Kg	Tonne			
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