

Raw Material Inventory – Pattemore’s Dairy

Trade Name Chemical	Use of raw material	Liquid/ gas/powder	UN Number	Maximum amount on site	Location on site	Storage arrangements
Milk	Cream production	Liquid	NA	1,630m ³ /1,684 tonnes	M1-15	Within designated silos
Propane Gas, 4 and 7kg bottles	Used in Lab for Bunsen burners	Gas	UN1995	40kg	No. 1	At work bench or in cage
Argon Gas, 2 and 7kg bottles	Welding shield gas	Gas	UN1951	100kg	No. 2	At work bench or in cage
Sodium Hydroxide Solution (Caustic) (30%)	Cleaning in place systems	liquid	UN1824	30m ³	No. 3	Bulk and IBCs
Sodium Hydroxide Solution (Caustic) (30%) (Prime Cleaning in Place)	Cleaning in place systems	Liquid	UN1824	20m ³	No. 4	Bulk and IBCs
Pascal descaler (Nitric Acid 50%)	Breaking down limescale and milk stone build up in production plant/pipework	liquid	UN2031	15m ³	No. 5	IBCs
Sulphuric Acid (77%)	Breaking down fat build up in production plant/pipework	Liquid	UN1830	8m ³	No. 6	IBCs
Hydrogen Peroxide & Peroxyacetic Acid (not more than 5%) mixture with acid(s) and water, stabilized	Sterilisation on new carton filling	Liquid	UN3149	2m ³	No. 7	IBCs
Chlorfoam (small quantity on site but won't be using in the future).	Washing boxes	Liquid	UN1888	2m ³	No. 8	IBCs
Sodium Hydroxide Solution (Traffic Film Remover) (caustic based) 20%	Lorry Washing	Liquid	UN1824	2m ³	No. 9	IBCs
Sodium Hypochlorite (15%)	Water treatment, dosing for Chlorine Dioxide	Liquid	UN1791	4m ³	No. 10	200lt Barrels
Sodium Hypochlorite (10%)	Water treatment, dosing for Chlorine Dioxide	Liquid	UN1791	4m ³	No. 11	25lt Barrels
Calcium Chloride (1-40%) (Phos Clear C)	Water Treatment at the ETP	Liquid	Not applicable	6m ³	No. 12	IBCs
Magnesium nitrate hexahydrate(30%) (MN30 Trufloc®)	Water Treatment at the ETP	Liquid	Not applicable	6m ³	No. 13	IBCs
Mixed oxidants (0.75%) (Hydrus 75)	Water Treatment at the ETP	Liquid	Not applicable	6m ³	No. 14	IBCs

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Aluminium Chloride Hydroxide Sulphate (Poly Aluminium Chloride (PAC18))	Water Treatment at the ETP	Liquid	UN3264	6m ³	No. 15	IBCs
Cationic polyacrylamide oil in water emulsion (Trufloc® COEX88 Polymer)	Water Treatment at the ETP	Liquid	Not applicable	2m ³	No. 16	IBCs
Ethylene glycol (Anti-freeze)	Used for chilling the cooling system and tanks	Liquid	Not applicable	20m ³	No. 17	Bulk, Diluted and IBCs
Sodium Hydroxide Solution (Caustic Based Cleaning Chemicals)	General hygiene cleaning	Liquid	UN1824	0.5m ³	No. 18	25lt Barrels
Cleaning Chemicals including Flash Cleaning Liquid	General hygiene cleaning	Liquid	UN3264	0.4m ³	No. 18	25lt Barrels
Sodium Hypochlorite (P625)	Water treatment in the Cooling tower	Liquid	UN1789	0.4m ³	No. 19	25lt Barrels
Not in use					No. 20	
Citric Acid	Water Treatment at the ETP	Crystal Form	N/A	3 tonnes	No. 21	25kg Bags on Pallet
Urea	Water Treatment at the ETP	Crystal Form	N/A	3 tonnes	No. 22	25kg Bags on Pallet
Sodium Carbonate	Water Treatment at the ETP	Powder Form	N/A	3 tonnes	No. 23	25kg Bags on Pallet
Sodium Hypochlorite (P650) (Cooling Tower)	Water treatment in the Cooling tower	liquid	UN1789	0.4m ³	No. 24	25lt barrels
Acetic Acid (80%)	Water Treatment at the ETP	Liquid	UN2789	6m ³	No. 25	IBCs
Nitric Acid (60%)	Cleaning in place system for New and Old EVAP	Liquid	UN2031	4m ³	No. 26	Bulk
Kerosene	Boiler fuel	Liquid	UN1202	82m ³	No. 27	Bulk
Diesel	Running vehicles	Liquid	UN1202	66m ³	No. 28	Bulk
Engine Oil	Vehicle maintenance	Liquid	UN1202	5m ³	No. 29	Bulk
AdBlue	Vehicle maintenance	Liquid	Not applicable	19m ³	No. 30	Bulk