



Univar Canada Ltd.

Products for Pulp and Paper Industry

<u>Department</u>	<u>Products</u>	<u>Utilization</u>
Boiler and water treatment	Ion exchange Resins – Dowex™	Water demineralisation
	Sulphuric acid 66°Be, Caustic soda, Hydrochloric acid, Sodium Chloride	Resin regeneration
	Activated carbon – Darco™	Water treatment
	Corrosion inhibited ethylene glycol– Dowterm™ SR-1	Heat Recuperation Systems
	Inorganic coagulants (PAC, Alum, ferric sulphate etc...)	Water treatment
Kraft pulp cooking and bleaching	Ethylene glycol, Potassium acetate (Cryotech CF-7)	Wood chip / conveyor de-icing
	Chelating agents – EDTA, DTPA (VERSENE and VERSENE X)	Metal chelation for H ₂ O ₂ and sodium hydrosulfite bleaching
	Sodium Bisulphite	Neutralisation of H ₂ O ₂ residual
	Methanol	Catalyst for chlorine dioxide generator
	Tributyl phosphate	Defoamer for chlorine dioxide generator
	Sulphamic Acid, Hydrochloric acid, Nitric Acid	Cleaning of evaporators
	Talc	Pitch / Stickies control
	Acids et alkalis (drums et totes)	PH control and cleaning products
	Corrosion inhibited ethylene glycol– Dowterm™ SR-1	Heat Recuperation Systems
	Magnesium sulphate 24-27% solutions	Stabilizing agent for oxygen and peroxide bleaching operations
	DEQUEST® phosphonates from Solutia	Stabilizing agent for peroxide bleaching

Univar Canada Ltd.

Products for Pulp and Paper Industry

<u>Department</u>	<u>Products</u>	<u>Application</u>	
Sulphite Pulp Cooking	Magnesium oxide	Cooking liquor	
	Magnesium Hydroxide Slurry		
Mechanical pulping	Chelating agents – EDTA, DTPA (VERSENE and VERSENE X)	Metal chelation for H ₂ O ₂ and sodium hydrosulfite bleaching	
	Sodium Bisulphite	Neutralisation of H ₂ O ₂ residual	
	Magnesium sulphate 24-27% solutions	Stabilizing agent for oxygen and peroxide bleaching operations	
	DEQUEST [®] phosphonates from Solutia	Stabilizing agent for peroxide bleaching	
	Paper and Board Machines	Acids et alkalis (drums et totes)	PH control and cleaning products
Acetic acid		Dyes stabilisation and pipe cleaning	
Specialized defoamers			
Corrosion inhibited ethylene glycol– Dowterm™ SR-1		Heat Recuperation Systems	
Inorganic coagulants (PAC, Alum, PASS, etc...)		Drainage, trash scavenging	
Solvents & blends		Calender stack wire cleaners	
Hydrogen peroxide		Biocide odour control	
Heat Transfer Fluids – Therminol™		Hydraulic systems (presses, calenders)	
Effluent Treatment		Urea “prill”, Urea solution 50%, ammonia anhydrous, ammonium hydroxide	Nitrogen sources for effluent water treatment
		"Green" Phosphoric acid, Amm. Polyphosphate, DAP	Phosphorous sources for effluent water treatment
	Inorganic coagulants (PAC, Alum, ferric sulphate etc...)	Sedimentation primary effl. treatment	
	Potassium Permanganate de– Cairox™, Packaged H ₂ O ₂	Odour control (H ₂ S, mercaptants),	
	Magnesium Hydroxide	Effluent pH control	
	Sodium hypochlorite 12%	Filamentous bacteria control	
	Solutions of nitrate (calcium, ammonium, ...)	Odour control (H ₂ S)	



Univar Canada Ltd.

Products for Pulp and Paper Industry

<u>Department</u>	<u>Products</u>	<u>Utilization</u>
Specialty Products	Ammonium salts (Cl, SO ₄), boric acid, Borax, ATH, DAP, etc ...	Fire retardant and smoke suppressant
	Carboxymethyl cellulose (CMC, Carbose®)	Dry strength agent
	DEQUEST® phosphonates from Solutia	Corrosion and scale inhibition