

Chemicals for Paper & Tissue

CULTURAL PAPER

FOOD PACKAGING PAPER



TISSUE PAPER









BROS Ingredients Limited has extensive experience in global chemical sourcing across a full range of chemicals. We represent some of the world's leading producers of specialty ingredients in Bangladesh. Our international partnerships enable us to bring world-class paper and related solutions to the local market. Our team of specialists possesses deep expertise in developing solutions for paper, pulp, tissue, and other related applications.

MAJOR PRODUCT LIST:

Common Name	Chemical Name	Chemical Formula	Used For
Agalite or Talc	Silicate of Magnesia	MgO-32%, SiO2-42%	It gives paper a greasy or soapy feel. and enables it to take a high finish.
AKD	Alkyl Ketene Dimer	C4H4O2	Sizing
Alabaster or Annaline	Anhydrate Calcium Sulfate	CaSO4	Paper Loading material
Alganic Acid	Alganic acid or Na-Alginate	Na-(C6H8O6)n	Coating and surface treatment
Alum	Sulfate of Alumina	Al2(SO4)3.18H2O	For alkaline sizing along with Rosin
Albarine	Natural Sulfate of Lime	CaSO4.2H2O - 100%	A calcium salt that is used for a variety of purposes including: building materials.
Animal Glue			Pigment coating Binder
Barium Carbonate	Barium Carbonate	BaCO3	Coating Pigment
Blanc fixe, fast white, pearl white or permanent white	Barium Sulfate	BaSO4	Filler, Coating Pigment
Casein	Casein		Pigment coating Binder. Casein is a heterogeneous globular, amphoteric phosphoprotein
Chlorine Dioxide	Chlorine Dioxide	ClO2	In Pulp Bleaching
Chlorine Gas	Chlorine	C12	In Pulp Bleaching and water treatment
Clay or Kaolin	Kaolinite	Al2Si2O5(OH)4	As filler
Dolomite	Calcium Magnesium Carbonate	CaMg(CO3)2	Filler, Coating
DTPA	Diethylene Triamine Penta	C14H33N3O10	Used for chelation (removal of
EDTA	Ethylene Diamine Tetra acetic Acid	C10H16N2O8	Used for chelation (removal of transition metals from pulp).
Enzyme			Used in Deinking
FSA	Formamidine Sulphuric Acid or Thiourea Dioxide	CH4N2SO2	Post Deinking bleaching
Guar Gum	Natural Polymer		Dry Strength Additive
Gypsum or Mineral White or Plaster	Natural Sulfate of Lime	CaSO4.2H2O	Gypsum board
Hydrogen Peroxide	Hydrogen Peroxide	H2O2	In Pulp Bleaching
Hypochlorous Acid	Hypochlorous Acid	HOC1	In Pulp Bleaching
Lime	Calcium Oxide	CaO	Alkaline Pulping Process Chemical Recovery, Bleaching



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Lime Stone	Calcium Carbonate	CaCO3	To make Precipitated CaCO3, is used as Filler and in Coating
Magnesium Bisulfite	Magnesium Bisulfite	Mg(HSO3)2	Used in Sulfite pulping
Magnesite	Magnesium Carbonate	MgCO3 -100%	Filler for cigarette paper
Milk of Lime	Calcium Hydroxide	Ca(OH)2	For causticizing of green liquor
Milk of Magnesia	Magnesium Hydroxide	Mg(OH)2	<u> </u>
Oxygen	Oxygen	O2	In Pulp Bleaching
Ozone	Ozone	O3	In Pulp Bleaching
Polyvinyl Alcohol (PVA)	Polyvinyl Alcohol	[CH2CH(OH]n	Pigment coating Binder
Rosin	Abietic Acid	С19Н29СООН	Sizing
Rosin Soap	Sodium Abietate	C19H29COONa	Sizing
Salt Cake	Sodium Sulfate	Na2SO410H2O	Makeup chemical in sulfate pulping chemical recovery (Na2SO4Na2S)
Satin		CaO.Al2O3.3CaSO4.31H2O	Brightly white pigment
Soap/ Fatty Acid			Deinking
Sodium Bisulfite	Sodium Bisulfite	NaHSO3	Used in Sulfite pulping
Soda Ash	Sodium Carbonate	NaHSO3	Makeup chemical in alkaline pulping chemical recovery (Na2CO3 +Ca(OH)2-
			-2NaOH+CaCO3
Sodium Aluminate	Sodium Aluminate	Na2Al2O4	Used in conjunction with alum to control pH
Sodium Bisulfite	Sodium Bisulfite	NaHSO3	An acid type cooking liquor chemical component is sometimes used to neutralize residual chlorine in the pulp during the bleaching process.
Sodium Chlorate	Sodium Chlorate	NaClO3	Used to generate Chlorine Dioxide
Sodium Dithionite	Sodium Hydrosulfite	Na2S2O4	Bleaching
Sodium Hypochlorite	Sodium Hypochlorite	Na2S2O4	Bleaching
Sodium Peroxide	Sodium Peroxide	Na2O2	Bleaching
Sodium Silicate	Sodium Silicate	Na2SiO3	In wastepaper deinking for wetting, peptization, ink dispersion, peroxide stabilization.
Sodium Sulfide	Sodium Sulfide	Na2S	Active chemical in kraft/sulfate cooking liquor
Sodium Thiosulfate	Sodium Thiosulfate	Na2S2O3	Bleaching
Sodium tripolyphosphate	Sodium tripolyphosphate	Na5P3O10	Dispersant
Starch	Starch	Comprised of glucose units linked together by oxygen bridges called glycosides	Wet and dry end additive
Sulfur	Sulfur	S	To make HSO3 for bi-sulfite
			pulping
Surfactant			Used in deinking, Used as debonders in fluff pulp manufacture.
Titania	Titanium Dioxide	TiO2	Filler to increase the opacity and brightness of paper. Used in coating also.
Anatase	Titanium Dioxide	TiO2	The Grade of titanium oxide paper coating pigments which is water dispersible.
Zinc Hydrosulfite	Zinc Hydrosulfite	ZnS2O4	Bleaching Chemical
Zinc Sulfide	Zinc Sulfide	ZnS	Pigment
Zinc White	Zinc Oxide	ZnO	Pigment





