

Paper Materials FT-IR Spectral Library

Index of Compounds

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
6	18 point coated carton newsback paper-back side	291	Citric Acid, Monohydrate
5	18 point coated carton newsback paper-coated side	245	Clarification aid - Ultrion 8157 aqueous solution of aluminum hydroxychloride and an amine polymer
216	2-deoxy-d-glucose	110	Clay coating - Alphatex
12	42# Release paper-release side	112	Clay coating - DB-Plate
21	50# lightweight coated offset paper	114	Clay coating - Hydragloss 90
13	80# Stamp base release paper	119	Clay coating - Kaofine 90 EGC
53	Adhesive - Resyn Dex	111	Clay coating - Nuclay
52	Adhesive - Resyn Patch (R)	113	Clay coating - Ultra Gloss 90
50	Adhesive (front seal)	268	Coating binder - anionic emulsion of carboxy modified styrene butadiene polymer
17	Adhesive post-it note	243	Coating binder - carboxylated styrene/butadiene polymer
16	Adhesive-pressure sensitive labels	57	Coating Lubricant - Berchem 4000 polyethylene emulsion
132	Agarose	58	Coating Lubricant - Berchem 4095 modified glycerides
257	Alcosperse 149 - sodium polyacrylate	56	Coating Lubricant - Berchem 4113 modified glycerides
261	Alcosperse 980 sodium anionic terpolymer	60	Coating Lubricant - Berchem 4551 modified glycerides
255	Alcostat 167 - cationic polyelectrolyte	59	Coating Lubricant - Berchem 4569 modified glycerides
96	Alkaline boilout additive - aqueous solution of a caustic solution of sodium ethylenediamine	273	Coating Lubricant - calcium stearate dispersion
108	Alkaline boilout additive - aqueous solution of tetrasodium EDTA and caustic	70	Compressor Oil - Mobil Rarus 427
211	alpha-Methyl-d-xyloside	55	Conductive polymer - cationic acrylic polymer quaternary ammonium homopolymer
77	Alum - aluminum sulfate	54	Conductive polymer - Poly(dimethyldiallylammonium chloride) quaternary ammonium homopolymer
137	Amyloid	297	Copier toner - styrene acrylate copolymer, carbon black, polypropylene and inorganic pigment
125	Apsen holocellulose	274	Copier toner (ether extract) - styrene acrylate copolymer, carbon black, polypropylene & inorganic pigment
126	Arabinogalactan hemicellulose	204	d+Glucosamine HCl
30	Bento H - filler/coating pigment	134	D-cellobiose
29	Bentolite - filler/coating pigment	136	D-cellobiose
210	beta-Methyl-d-xyloside	48	Defoamer
271	Binder - Hycar 26237 acrylic latex emulsion	74	Defoamer
104	Biocide - aqueous solution of substituted isothiazolinone	241	Defoamer
106	Biocide/slime control agent - Slimetrol RX38A	73	Defoamer - Advantage 833 foamer
105	Biocide/slime control agent - Slimetrol RX68	83	Defoamer - Foamtrol 2000
230	Black liquor	82	Defoamer - Foamtrol 800
45	Calcined clay and latex	71	Defoamer - hydrocarbon oil base
277	Calcined kaolin clay	62	Defoamer - liquid emulsion of organic hydroxy compounds, fatty acid esters and surfactants
275	Calcium carbonate	259	Defoamer - nonionic surfactant
240	Calcium stearate based coating lubricant	41	Defoaming compound - Vinbreak 86
251	Carasol Red 3BF liquid diazo dye	89	Deposit control additive - aqueous solution of an oxyalkylated amine, sodium xylenesulfonate and a trisodium ethylenediaminetriacetate
23	Carbonless copy form-CFB - CB side	85	Deposit control additive - C5 A821
22	Carbonless copy form-CFB - CF side	84	Deposit control additive - Detac 8517
181	Carrageenan - Type III kappa Carrageenan from Eucheuma cottonii vegetable gelatin	149	Disaccharide
252	Carta yellow HPS liquid azo dye	260	Displex N40V - aqueous acrylic polymer
224	Casein - KBr disk	79	Dye - Fastusol C Yellow 97L
19	Cast coated paper C-1-S coated side	78	Dye - Fastusol red dye 51L
20	Cast coated paper C-1-S reverse side	80	Dye - Solar Blue 07L
178	Cellobiitol	102	Dye DUPLICATE
226	Cellosize - hydroxyethyl cellulose QP-300	103	Dye DUPLICATE
225	Cellosize - hydroxyethyl cellulose QP-4400	124	Esparto xylan hemicellulose
227	Cellosize - hydroxyethyl cellulose QP-52000	95	Fabric cleaner - aqueous solution of oxyalkylates
135	Cellulose - aspen meal	87	Felt Conditioner - CC6597
188	Cellulosic - xanthan		
107	Chalk - calcium carbonate 90% brightness		
249	Chemical pulping aid - D-Lig 69 surfactant blend		
250	Chemical Pulping Aid - Petro AA liquid alkylated naphthalene sulfonate, sodium salt		

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86	Felt conditioner - CC6644	276	Kaolin (China Clay)
81	Felt conditioner - custome clean N-CCC015	35	Kraft lignin - Curan 100
44	Felt softner/conditioner	34	Kraft lignin - Diwatex 100
221	Filter agent - high purity celite	33	Kraft lignin - Diwatex 200
286	Fine particle amorphous silica gel	209	Lignin
242	Flocculant - polyquaternary amine	4	Low density SBS board-back side
265	Fluorescent whitening agent - Tinopal PT liquid triazinyl stilbene	3	Low density SBS board-coated side
93	Foam Control Chemical	194	I-Tartaric Acid
90	Foam control chemical - blend of a polyglycol ester and a polyether surfactant	10	Metallic coated C-1-S paper gold coated side
91	Foam control chemical - polyglycol ester	11	Metallic coated C-1-S paper reverse side
72	Fortified, extended, liquid rosin sizing agent	18	Metallizing base paper
127	Glucose polymer	233	Methyl stearate
202	Glucose Polymer	232	Microcrystalline cellulose
150	Glycoside - methyl-p-D-glucopyranoside-p-methylglucoside	287	Mineral filler and pigment - calcium carbonate
37	Guar gum from corn cobs	198	Modified hemicellulose - methylated xylan
128	Gum Arabic	184	Modified hemicellulose - methyl-beta-arabinose
145	Gum Arabic	183	Modified hemicellulose - xylan acetate
138	Gum xanthan - from xanthomonas campestris	270	Modified starch - quaternary ammonium hydroxyethyl starch ether
140	Hemicellulase	214	Monosaccharide - l-rhamnose A deoxyhexose monosaccharide
139	Hemicellulase - from aspergillus niger	101	Nalclean liquid - phosphoric acid solution containing oxyalkylates
36	Hemicellulose	205	N-Butyl Glucoside
142	Hemicellulose	9	No. 1 Coated offset-gloss paper
143	Hemicellulose	2	No. 3 coated offset-gloss paper
189	Hemicellulose - 4-o-methyl-glucuronoxylan-from birch paper (crude)	1	No. 5 lightweight coated offset- gloss paper
130	Hemicellulose - birch wood xylan crystals	246	Nonionic surfactant - polyalkylene oxide based - Lionsurf 777
129	Hemicellulose - birch xylan	247	Nonionic surfactant polyalkylene/fatty acid blend - Lionsurf 778
208	Hemicellulose - diborane reduced 4-o-methylglucuronoxylan	248	Nonionic surfactant polyalkylene/fatty acid blend - Lionsurf 779
179	Hemicellulose - galactoglucomannan	258	Nopco DSX 2000exp
207	Hemicellulose - galactoglucomannan from 24% potassium hydroxide extraction of Enelmann spruce holocellulose	176	Offset spray powder
144	Hemicellulose - galactoglucomannan from Douglas Fir	302	Paper dye - Carasol red / diazo dye
199	Hemicellulose - galactoglucomannan from red cedar	64	Paper dye - Fastusol C Yellow
133	Hemicellulose - glucomannan (acetylated) from Parana Pine (Brazil)	98	Paper making aid - colloidal silica dispersion
201	Hemicellulose - glucomannan (crystalline) from tubera salco	99	Paper mill process additive - aqueous solution of a polyquaternaryamine chloride and inorganic salts
196	Hemicellulose - mannan crystal from slash pine	66	Paper sizing agent - Bersize 6400
193	Hemicellulose - tamanind xyloglucan	146	Peach Gum
217	Hemicellulose - xylose	292	Peat
200	Hemicellulose 4-o-glucosyl-d-mannose	177	Pectin from incense cedar
195	Hemicellulose - Stractan II (arabinogalactan)	219	Pentose sugar
141	Heptaacetyl-cellobiose	289	Pigment/filler - M92404-SL mixture of hydrous and calcined kaolin slurry
234	Heptadecanoic acid	192	Pinitol
187	Holocellulose - amabilis fir	49	Pitch dispersant
180	Holocellulose - incense cedar	97	Pitch dispersant - aqueous solution of an acrylate polymer
190	Holocellulose - incense cedar	46	Pitch Dispersant - Buckman 251
191	Holocellulose - oak	47	Pitch Dispersant - Nalco 7652
186	Holocellulose - white spruce	218	Plant sterol - beta-sitosteril, 50% contains ~40% campesterol 22,23-dihydrostigmasterol
203	Holoceullose from black spruce	26	Plotter paper / glossy
290	Hydroxyethylcellulose - Natrosol	25	Plotter paper / non-glossy
285	Indicator for safety paper - liquid benzothiazole	212	Polysaccharide - Laminarin from Laminaria digitate (brown seaweed)
43	Industrial felt wash conc. contains sodium metasilicate anhydrous	213	Polysaccharide - Lichenan from Usnea barbata, a glucose polysaccharide
24	Ink Jet paper	298	Polyvinyl Alcohol
27	Ink Jet plotter film - matte	293	Polyvinyl alcohol - 95PC-016
28	Ink Jet plotter film - matte reverse side	296	Polyvinyl alcohol - 95PC-016 as KBr disk
147	Inositol		
63	Internal sizing agent - acrylate polymer dispersion		
223	Kaolin - acid washed		

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295	Polyvinyl alcohol - Vinol 203 partially hydrolyzed	164	Solvent extractive of paper - coated offset gloss ether extract
294	Polyvinyl alcohol - Vinol 325 fully hydrolyzed	162	Solvent extractive of paper - ether extract of C-1-S carrier stock
100	Preservative - aqueous solution of glutaraldehyde	165	Solvent extractive of paper - low density SBS board ether extract
228	Process scale - brown stock washer scale	169	Solvent extractive of paper - metallic coated C-1-S ether extract
206	Psyllium Seed	167	Solvent extractive of paper - premium no. 1 coated offset/dull ether extract
153	Pulp extractive - hardwood bleached kraft - alcohol/toluene extract	254	Special Purpose Wax
161	Pulp extractive - maple some softwood bleached kraft - alcohol/toluene extract	272	Specialty coating resin - HRJ 2969 alkylphenol novolac resin dispersion
152	Pulp extractive - northern hardwood bleached kraft - alcohol/toluene extract	109	Starch - Cato 232
155	Pulp extractive - northern softwood bleached kraft - alcohol/toluene extract	121	Starch - Filmflex 60 Corn starch
158	Pulp extractive - softwood alpha - alcohol/toluene extract	269	Starch - hydroxyethyl starch ether
154	Pulp extractive - softwood bleached kraft - alcohol/toluene extract	117	Starch - Microcat 110
156	Pulp extractive - softwood bleached kraft - alcohol/toluene extract	120	Starch - Penford Starch PG 280
157	Pulp extractive - softwood unbleached kraft - alcohol/toluene extract	236	Starch - Sta-Lok 400 cationic potato starch
160	Pulp extractive - southern hardwood bleached kraft - alcohol/toluene extract	122	Starch and 2-hydroxy-3-trimethylammonium chloride propyl ether
159	Pulp extractive - western softwood bleached kraft - alcohol/toluene extract	170	Starch enzyme - Tenase L-340 (neat)
300	Pulping enzyme - Celluclast 1.5L	68	Steam turbine oil - Mobil DTE 797
301	Pulping enzyme - Pulpzyme HA	69	Steam turbine oil - Mobil DTE Oil heavy/medium grade
299	Pulping Enzyme - SP-342 Cellulase	235	Stearic acid
231	Recovery boiler scale	239	Styrene/Butadiene copolymer (polymerized)
61	Release agent - Release Agent 565	131	Sucrose - sugar beet
14	Release Paper - release side	267	Surfactant - DP SC-248-33 blend of nonionic and cationic surfactants
15	Release Paper - reverse side	282	Surfactant - fatty acid emulsion
220	Resin acid - dehydroabietic acid 99+%	172	Surfactant - LS 729 (neat)
92	Retention aid - acrylamide/acrylate polymer in a hydrocarbon solvent and water	171	Surfactant - LS 769 (neat)
174	Retention aid - King Fix-Z neat dimethyldiallyl ammonium chloride sulfur dioxide copolymer	280	Surfactant - mixture of alkoxyated compounds
283	Retention aid - liquid polymer mixture derived from dimer acids and polyamine	281	Surfactant - mixture of nonionic surfactants and terpene hydrocarbons
88	Retention aid - PolyPlus 130	279	Surfactant - polyalkyleneoxide derivative
244	Retention aid - polyquaternary ammonium salt	284	Surfactant - Product 87122 fatty acid
123	Retention Aid and Flocculant / high molecular weight polyacrylamide	256	Surfactant - Witconate AOS alkyl (C14-C16) olefin sulfonate, sodium salt
38	Rosin size - Plasmibe PLH-50	278	Surfactant mixture - polyalkylenoxide derivative
76	Rosin sizing agent - aliphatic urethane acrylate	262	Surfactant thickening agent - Rewoteric AM TEG tallow bis-hydroxyethyl glycinat
94	Scale/pitch control additive - aqueous solution of pyrophosphate	32	Synthetic smectite clay - Iaponite S sodium magnesium lithium fluorosilicate plus peptiser
115	Silicate coating - Hydragloss	31	Synthetic smectite clay - Iaponite S/ sodium magnesium lithium fluorosilicate plus peptiser
116	Silicate coating - Norplex 604	118	Talc - Mistron 100
253	Silicone Spray	229	Tall oil soap - dried solids
175	Sizing additive - paraffin wax emulsion	197	Trisaccharide
263	Sizing agent - ketene dimer emulsion Hercon 70	215	Trisaccharide
264	Sizing agent - ketene dimer emulsion Hercon 76	7	Unbleached Kraft paper C-1-S carrier Sstock coated side
237	Sizing agent - Keydime d-10 alkylketene dimer	8	Unbleached Kraft paper C-1-S carrier stock back side
288	Sizing agent - resin mixture of methyl and isobutyl partial esters of styrene/maleic anhydride copolymer, ammonium salt	75	Urethane Acrylate Resin
238	Sizing agent (old/polymerized) - Keydime E alkylketene dimer	182	Viscose Rayon
222	Sodium carbonate	185	Viscose staple
168	Solvent extractive of paper - 80# stamp base release ether extract	51	Water based adhesive - Resyn Patch
166	Solvent extractive of paper - carbonless form 4-ply ether extraction	67	Water treatment additive, cationic emulsion polymer
163	Solvent extractive of paper - cast coated C-1-S ether extract	65	Wet strength agent - cationic, polyamide-epichlorhydrin resin
		173	Wet strength resin - Amres 8870 neat cationic polyamide resin
		266	Wet strength resin - Casamid C-12 polyamide wet-strength resin
		39	Wet strength resin - Casco resin C382 urea formaldehyde
		40	Wet strength resin - Fibrabon 33

No. Compound Description

42 Wire (forming fabric) passivator
148 Wood Polysaccharide

No. Compound Description

151 Wood polysaccharide