UC-806 F8

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0151
40-07-04

PLAINTIFF'S EXHIBIT UC-806

UCAR LATEX 891
FLAME RETARDANT FORMULATION

Prepared For

MAGEE CARPET COMPANY
Bloomsburg, Pennsylvania

Ingredients	Parts by Weight, as Received
UCAR Latex 891	25.15
Colloid 581B Antifoam	0.07
ASP 400 Filler Clay	12.42
Water	21.62
Ammonium Phosphate, Dibasic	12.42
Asbestos, High Purity, Open Fiber	2.73
Water	25.59
Total	100.00
Total Solids, %	40.0
pH	7.5
Brookfield Viscosity (Model RVT) No. 4 Spindle @ 20 rpm, cps.	7200

Procedure

Combine the ingredients in the order listed with rapid agitation. After the addition of the ammonium phosphate, add the asbestos and water alternately in increments sufficient to maintain good shearing action on the asbestos. Continue to stir until the mix has a smooth appearance.

Raw Materials

UCAR Latex 891	-	Union Carbide Corporation
Asbestos, High Purity, Open Fiber	-	Union Carbide Corporation
Colloid 581B	-	Colloids, Incorporated
ASP 400	-	Minerals and Chemicals Corporation of America
Ammonium Phosphate, Dibasic	-	Stauffer Chemical Company

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UVC-0016 F 4

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0152
43-09-04

UCAR LATEX 891
FLAME RETARDANT FORMULATION

Prepared For

MAGEE CARPET COMPANY
Bloomsburg, Pennsylvania

Ingredients	Parts by Weight, as Received
UCAR Latex 891	23.60
Colloid 581B Antifoam	0.07
ASP 400 Filler Clay	11.71
Water	20.14
Phos-Chek P/30 Fire Retardant	7.02
Fyrol 32B Fire Retardant	1.74
Asbestos, High Purity, Open	11.22
Water	24.50
Total	100.00
Total Solids, %	43.4
pH	5.4
Brookfield Viscosity (Model RVT) No. 4 Spindle @ 20 rpm, cps.	8500

Procedure

Combine the ingredients in the order listed with rapid agitation. After the addition of the Fyrol 32B, add the asbestos and water alternately in increments sufficient to maintain good shearing action on the asbestos. Continue stirring until the mix has a smooth appearance.

Raw Materials

UCAR Latex 891	-	Union Carbide Corporation
Asbestos, High Purity, Open Fiber	-	Union Carbide Corporation
Colloid 581B	-	Colloids, Incorporated
ASP 400	-	Minerals and Chemicals Corporation of America
Phos-Chek P/30	-	Monsanto Company
Fyrol 32B	-	Stauffer Chemical Company

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UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. ERL-2774-0100
100-430-04

BONDING ADHESIVE FORMULATION

Ingredients	Parts by Weight as Received
Part A	
BAKELITE Epoxy Resin ERL-2774	33.74
UCAR Nonyl Phenol	38.57
Resin Grade 244 Asbestos	3.59
Part B	
BAKELITE Hardener ZZLB-0325	24.10
Total	100.00
Total Solids, %	100
Brookfield Viscosity (Model RVT) No. 7 Spindle @ 5 rpm, cps.	430,000

Procedure

Combine the ingredients in Part A with sufficient stirring to disperse the asbestos. Add the hardener, Part B, either by thoroughly mixing into Part A just prior to use, or by simultaneously metering A and B. The shelf life of a mixture of A and B is about 1/2 hour for a 1/2 pound batch and becomes increasingly shorter as the batch size increases.

Raw Materials

BAKELITE Epoxy Resin ERL-2774	-	Union Carbide Corporation
UCAR Nonyl Phenol	-	Union Carbide Corporation
Resin Grade 244 Asbestos	-	Union Carbide Corporation
BAKELITE Hardener ZZLB-0325	-	Union Carbide Corporation

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UC-806 #6

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0133
40-20-04

"UCAR" LATEX 891

STARTING POINT FORMULATION

Prepared For

SYNTHETICS FINISHING COMPANY
Philadelphia, Pennsylvania

Ingredients	Parts by Weight, as Received
Water	29.35
Ammonium Phosphate, Dibasic	0.14
Asbestos, Resin Grade 144	10.24
UCAR Latex 891	59.87
Ammonium Hydroxide (28% NH_3)	0.11
MAPO	0.29
Total	100.00
Total Solids, %	39.7
pH	6.1
Brookfield Viscosity (Model RVT) No. 6 Spindle @ 20 rpm, cps.	20,300

Procedure

Combine the ingredients in the order listed with vigorous agitation to wet the asbestos. Continue the agitation until the consistency is uniform.

Raw Materials

UCAR Latex 891	-	Union Carbide Corporation
Asbestos, Resin Grade 144	-	Union Carbide Corporation
Ammonium Phosphate, Dibasic	-	Stauffer Chemical Company
MAPO	-	Interchemical Corporation

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UC-806 #7

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0132
40-06-04

"UCAR" LATEX 891

STARTING POINT FORMULATION

Prepared For

SYNTHETICS FINISHING COMPANY
Philadelphia, Pennsylvania

Ingredients	Parts by Weight, as Received
Water	27.47
Ammonium Phosphate, Dibasic	0.15
Asbestos, Resin Grade 144	9.22
UCAR Latex 891	62.74
Ammonium Hydroxide (28% NH_3)	0.12
MAPO	0.30
Total	100.00
Total Solids, %	40.1
pH	6.0
Brookfield Viscosity (Model RVT) No. 6 Spindle @ 20 rpm, cps.	6300

Procedure

Combine the ingredients in the order listed with vigorous agitation to wet the asbestos. Continue the agitation until the consistency is uniform.

Raw Materials

UCAR Latex 891	-	Union Carbide Corporation
Asbestos, Resin Grade 144	-	Union Carbide Corporation
Ammonium Phosphate, Dibasic	-	Stauffer Chemical Company
MAPO	-	Interchemical Corporation

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UC-00[illegible] #5

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0131
40-07-04

"UCAR" LATEX 891

STARTING POINT FORMULATION

Prepared For

SYNTHETICS FINISHING COMPANY
Philadelphia, Pennsylvania

Ingredients	Parts by Weight, as Received
Water	34.41
Ammonium Phosphate, Dibasic	12.64
Asbestos, High Purity, Open Fiber	2.02
Colloid 581B	0.16
UCAR Latex 891	50.77
Total	100.00
Total Solids, %	40.0
pH	7.5
Brookfield Viscosity (Model RVT) No. 4 Spindle @ 20 rpm, cps.	7100

Procedure

Combine the ingredients in the order listed with vigorous agitation to wet the asbestos. Continue the agitation until the consistency is uniform.

Raw Materials

UCAR Latex 891	-	Union Carbide Corporation
Asbestos, High Purity, Open Fiber	-	Union Carbide Corporation
Colloid 581B Antifoam	-	Colloids, Incorporated
Ammonium Phosphate, Dibasic	-	Stauffer Chemical Company

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UC 806 #4

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0130
50-35-04

"UCAR" LATEX 891

STARTING POINT FORMULATION

Prepared For

SYNTHETICS FINISHING COMPANY
Philadelphia, Pennsylvania

Ingredients	Parts by Weight, as Received
UCAR Latex 891	90.90
Asbestos, High Purity, Open Fiber	4.55
Water	4.55
Total	100.00
Total Solids, %	50
pH	4.2
Brookfield Viscosity (Model RVT) No. 7 Spindle @ 20 rpm, cps.	35,000

Procedure

Combine the ingredients in the order listed with vigorous agitation to wet the asbestos. Continue the agitation until consistency is uniform.

Raw Materials

UCAR Latex 891 - Union Carbide Corporation

Asbestos, High Purity, Open Fiber - Union Carbide Corporation

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UC-806 #2

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 891-0116
40-01-04

"UCAR" LATEX 891
FLAME RETARDANT BACKCOATING FORMULATION

PREPARED FOR

SCOTT PAPER COMPANY
PHILADELPHIA, PENNSYLVANIA

Ingredients	Parts by Weight, Wet
Water	34.00
Ammonium Phosphate, Dibasic	12.73
Asbestos, HPO	1.92
Colloid 581B	0.15
UCAR Latex 891	51.20
Total	100.00
Total Solids, %	40.00
pH	7.6
Brookfield Viscosity (Model RVT) No. 4 Spindle at 20 rpm, cps.	1600
Viscosity after 3 days aging, cps.	1250

Procedure

Add all the ingredients, except the latex, in the order listed with good agitation and continue to stir for 10 minutes. Then add the latex to the slurry and continue the agitation for 10 minutes.

Raw Materials

UCAR Latex 891 - Union Carbide Corporation
Asbestos, H.P.O. - Union Carbide Corporation
Ammonium Phosphate, Dibasic - Stauffer Chemicals

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UC-806 #3

Formulation No. 891-0120
39-03-04

"UCAR" Latex 891

FLAME RETARDANT CARPET BACKING FORMULATION

PREPARED FOR

CLARK-CUTLER-McDERMOTT COMPANY
FRANKLIN, MASSACHUSETTS

Ingredients	Parts by Weight, Wet
Water	36.25
Ammonium Phosphate, Dibasic	12.15
Asbestos, High Purity	2.60
Colloid 581B	0.13
UCAR Latex 891	48.87
Total	100.00
Total Solids, %	39.0
pH	7.4
Brookfield Viscosity (Model RVT) #4 Spindle at 20 rpm, cps	3100

Procedure

Combine all the ingredients, except the latex, in the order listed with good agitation. Continue stirring for 10 minutes, then add the latex and stir for another 10 minutes.

Raw Materials

UCAR Latex 891	- Union Carbide Corporation
Asbestos, HPO	- Union Carbide Corporation
Colloid 581B	- Colloids, Inc.
Ammonium Phosphate, Dibasic	- Stauffer Chemicals

UNION CARBIDE TEXTILE CHEMICALS

TECHNICAL SERVICE BULLETIN

Formulation No. 874-0116
20-41-04/06

"UCAR" LATEX 874

BACK COATING FORMULATION

Prepared For

SYNTHETICS FINISHING COMPANY
Hickory, North Carolina

Ingredients	Parts by Weight, as Received
UCAR Latex 874	27.34
Colloid 581B Antifoam	0.09
Asbestos, High Purity, Open Fiber	4.01
Water	66.39
Seatex HCB	1.98
Ammonium Hydroxide (28% NH_3)	0.06
Oxalic Acid	0.13
Total	100.00
Total Solids, %	19.5
pH	4.0
Brookfield Viscosity (Model RVT) No. 7 Spindle @ 20 rpm, cps.	41,000

Procedure

Combine the ingredients in the order listed with good agitation. Good shearing action as well as movement of the mix is important when the asbestos is added. This is best achieved by adding the water in small increments as the addition of the asbestos thickens the mix. When the mix has become smooth after the final addition of the asbestos, add the balance of the ingredients and stir until smooth. The Seatex HCB and oxalic acid should be added slowly, preferably through a sieve.

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Raw Materials

UCAR Latex 874	-	Union Carbide Corporation
Asbestos, High Purity, Open Fiber	-	Union Carbide Corporation
Colloid 581B	-	Colloids, Incorporated
Seatex HCB	-	Marine Colloids, Incorporated
Oxalic Acid	-	Stauffer Chemical Company

Union Carbide trial exhibit UC-806: Union Carbide Textile Chemicals Technical Service Bulletins: UCAR Latex 891... Published by AsbestosClaims.Law
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