



E. I. DU PONT DE NEMOURS & COMPANY

INCORPORATED
FABRICS AND FINISHES DEPARTMENT
RESEARCH DIVISION
EXPERIMENTAL STATION

Copy to:

J. C. Richards, Wilm.
T. R. Matthews, Wilm.
E. E. Swain, Wilm.
P. J. Graham, Wilm.
File, Exp. Sta.

June 20, 1975

B. C. MC KUSICK)
C. L. DICKINSON ,) CENTRAL RESEARCH &
J. G. AFTOSMIS) DEVELOPMENT DEPARTMENT
H. J. TROCHIMOWICZ) HASKELL LABORATORY

CARCINOGENICITY TESTING PRIORITY LIST

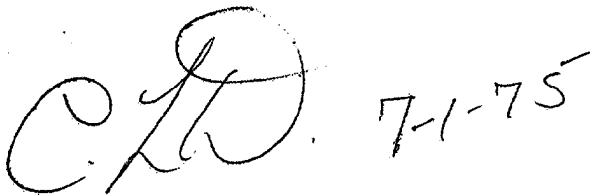
This is the fourth installment of Fabrics and Finishes Department's list of raw materials for carcinogenicity screen. This installment consists of two lists, both of which follow the format of the previous installments. The first list includes raw materials from our non-finishes plants, and consumption data is incomplete. The second list consists of little used finishes raw materials, and selected experimental and temporary codes. No material on the second list has been assigned a H priority. We propose to review these lists with you at our scheduled meeting of June 26.

Also at this meeting, we would like to get your opinion as to what sort of considerations and priority assignment we should give to lab supplies, janitorial supplies, grounds keeping supplies, etc., which are not raw materials, but are handled by some of our employees.

We expect this to be our last installment.


G. R. MC CLURE

GRMcC:adw
Attachments



CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS	
H F-12	Selenac	Selenium Diethyl Dithiocarbamate		H	Reported Carcinogen	
H F-16	Thiuram M	Tetramethyl thiuram Disulfide	1.2	H	Reported Teratogenic	
M F-24	Polyac	30% p-nitrosobenzene Polymer	0.05	H	Nitroso Stilbene reported Neoplastic	
M F-234	Elastopar	N-Methyl N-4 Dinitroso Aniline	0.002	H	-N-nitroso cpd	
M E-17	Aroclor 1262	Chlorinated Biphenyl		H	Strong irritant	
L Z-19	Dimethyl Sulfoxide			M	Readily absorbed cpd	
M A-83	RC5077 Polyimide	Polyimide 20% Solv. -NMP	20.8	M	Review when results on H-724 are in	
M A-84	RC5079 Polyimide	Thermosetting Polyimide- 40% in NMP	20.8	M	Review when results on H-724 are in	
M A-98	RC5044 Polyimide	PyreML 15% in NMP	11.2	M	Review when results on H-724 are in	
M A-100	Epon 152	Glycidyl ether Novolac		M	Review when results on Epon 829 are in	
H C-32	U4690R Yellow	PbCrO ₄	0.02	M	Review when results for pigments are in	
H C-101	Ware B2213	70% Cr ₂ O ₃		M	Review when results for W-754 are in	
H C-99	U5397 Yellow	ZnCrO ₄	0.27	M	Review when results for W-625 are in	
M C-107	Vulcan XC 72	Conductive Oil Furnace Black	1.36	M	Review when results on furnace black are in	
M C-109	Vulcan XC 72R	Conductive Furnace Black	0.02	M	" " " " " "	
M C-112	B 4714 Blue	Phthalocyanine Blue	0.002	M	Review when results from Pigments on phthalocyanines are in	
H C-114	Y 6610 Yellow	Chrome Yellow-PbCrO ₄	.04	M	Review when results from Pigments PbCrO ₄ are in	
H C-115	DE698D Orange	Molybdate Orange-PbCrO ₄ PbM.O ₄	.02	M	Review when results from Pigments on Lead Chromates are in	
M C-116	CR7510 Monastral	Phthalocyanine Green	0.016	M	Review when results from Pigments Phthalocyanine are in	
M C-117	Chrome Green	Cr ₂ O ₃	.005	M	Review when results on W-754 are in	
M C-120	Statex G	Furnace Black		M	Review when results on furnace black are in	

DUP050077596

N42360.01

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS	
M D-24	Hi Sil	SiO ₂ ·H ₂ O	0.3	M		Silica
M D-39	Minusil 10 Micron	SiO ₂	0.3	M		Silica
M D-40	M -Cab-O-Sil	SiO ₂ -Fume	0	M		
M D-41	Mistone Vapor	MgSiO ₃ ·H ₂ O	0	M		Review when results on talc are in
M D-43	M-5 Cab-O-Sil	Colloidal Silica	1.1	M		Silica
M D-44	5 Micron Min-U-Sil	SiO ₂	0.07	M		Colloidal Silica
H E-1	SB Dispersing Oil-10	Semi-refined coal tar distillate		M		Coal tar derivative
L E-36	TBEP KP 140	Tributoxyethyl Phosphate	0.7	M		Review when tributyl phosphate are in
L E-48	Flexol-TOF	Trioctyl Phosphate	0.6	M		Review when results on tributyl phosphate are in
M E-51	Sundex 790	Aromatic type oil	38.4	M		Review when results on toluene are in
M E-66	Fire master T23P	Tri-2,3-dibromopropyl PO ₄	0.08	M		Review when results on tributyl phosphate are in
M F-8	Litharge PTX	PbO	1.0	M		Review when results on Lead oxide W-603 are in
H F-14	Thionex	Tetramethyl Thiuram monosulfide	2.0	M		Review when results on Thiuram M are in
H F-15	Thiuram E	Tetraethyl thiuram disulfide	0.12	M		Review when results on Thiuram M are in
M F-48	Trimal	Tribasic lead maleate	4.0	M		Review when results on lead phthalate (G-1246) are in
M F-51	Read Lead 97%	PbO	0.03	M		Review when results on lead oxide (W-603) are in
M F-57	Dicup	Dicumyl peroxide 40%	0.17	M		Review when results on dicumyl peroxide (G-123) are in
M F-62	PRD-90	90% Red lead		M		Review when results on lead oxide (W-603) are in
M F-64	Dicup Recrys	Dicumyl peroxide	0.03	M		Review when results on dicumyl peroxide (G-1231) are in
L F-71	Morpholine		0.016	M		Review when results on morpholine (H-694) are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
			M	LBS./YEAR		
M F-78	Arnax	N-oxydiethylene Benzo-thiazol-2-sulfenamide	0.04		L	
M F-81	Diethyl Thiourea		0.02		M	Thiourea is reported neoplastic
M F-92	Contour 361.1 Sol	50% Methylene dianiline in MEK	0		M	Methylene dianiline now under test
M F-98	Nadic Methyl Anhydride		0.68		M	Review when results on Maleic anhydride are in
M F-100	Thiate E	Trimethyl Thiourea	0.02		M	Review when results on thiourea are in
M F-104	Neozone D	Phenyl-β-Naphthylamine	7.4		M	Review when results on Phenyl-2-naphthylamine are in (G-500)
M F-121	Vanstay HTC	Complex Cadmium Organic Cpd			M	Review results on Cadmium Cpd are in
M F-122	Neozone A Pellets	Phenyl naphthylamine	2.9		M	Review when results on G-500 are in
M F-123	Wingstay 100	Mixed Diaryl-p-phenylene Diamine	0.2		M	Review when results in phenylene diamine are in
M F-126	Akroflex CD	65% N-phenyl-β-Naphthylamine 35% NM	2.1		M	Review when results on G-500 are in
M F-213	Lead Stearate		0.288		M	Review when results on lead phthalate, (G-1246) are in
L F-214	Ortholeum 162	Organic PO ₄			M	Review when results on Tributylphosphate are in (H-719)
M F-220	Antimony Oxide		0.43		M	Review when results on W-52 are in
M F-224	Luperco HSt	50% Benzoyl Peroxide	0.06		M	Review when results on G-748 are in
M F-229	Cadmium Stearate		0.33		M	Review when results on Cpd's are in
M F-232	Cadd TS50	50% Dichloro Benzoyl Peroxide	0.06		M	Review when results on G-748 are in
M F-236	Oncor 23A	Sb ₂ O ₃ -SiO ₂	0.52		M	Review when results on antimony oxide (W-52) are in
M F-242	Nuodex 1026		0		M	Review when results phenyl-β-naphthylamine (G-500) are in
M F-247	Dyphos Paste	70% Di-basic Lead Phosphate	2.32		M	Review when results on lead phthalate (G-1246) are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS	
M F-249	Accelerator 4502	Octyl acid phosphate in toluene	0.05	M	Review when results on tributyl phosphate (H-719) are in	
M F-254	NA 101 C203	65% tetramethyl thiourea	1.2	M	Thiourea is reported neoplastic	
M F-256	WARE B-1624	90% Lithargein Circo Oil	0.36	M	Review when results on lead oxide (W-603) are in	
M T-16	Hylene® M-150	MDI in choronated solvent	1.14	M	Review when results on TDI are in	
M T-22	Talc 22	Magnesium Silicate	33.6	M	Review when results on talc are in	
M T-24	Lead Carbonate	Basic Lead Carbonate		M	Review when results on lead phthalate (W-1246) are in	
M T-76	Vanstay RZ 25	Cd, Ba, Vinyl heat stabilizer	1.92	M	Review when results on Cd pigments are in	
M T-94	Hylene® MP	Phenol addition product of MDI	0.2	M	Review when results on Hylene® TM are in	
M T-102	PAPI	Polymethylene Phenyl Poly Isocyanate	0.34	M	Review when results on Hylene® TM are in	
H T-109	Bostik 3040C	Reclaimed rubber-10% ZnCrO ₄		M	Review when results on ZnCrO ₄ are in	
M T-112	Hylene® M	MDI		M	Review when results on Hylene® TM are in	
M Z-1	Cyclohexanone		0.84	M	Review when results on H-66 are in	
M Z-2	Acetone		76.8	M	Review when results on H-30 are in	
L Z-5	Ethyl Acetate		0.14	M	Review when results on H-136 are in	
M Z-6	Xylol		54.0	M	Review when results on H-583 are in	
L Z-7	MEK		204.4	M	Review when results on H-35 are in	
M Z-9	Toluol		264	M	Review when results on H-49 are in	
M Z-10	Solvosol	94% aliphatic Sat HC	8.84	M	Review when results on Hexane are in	
M Z-11	Esso Octane	HC	11.6	M	Review when results on Hexane are in	
M Z-13	MTBK		8.9	M	Review when results on H-44 are in	
L Z-17	Butyl Alcohol			M	Review when results on H-12 are in	
M Z-20	Methyl Pyrrolidone		10.56	M	Review when results on H-724 are in	
L Z-23	Heptane		1.32	M	Review when results on H-564 are in	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS	
			M LBS./YEAR				
M Z-24	Solvesso 100	97% Aromatic HC	2.28	M		Review when results on Toluene are in	
M Z-25	VM & P Naphtha-EC	East Coast	12.64	M		Review when results on H-425 are in	
M Z-26	Solvent M6	Chlorinated fluorinated cleaning solvent	0.72	M		Review when results on H-205 are in	
M Z-27	Dry MEK	0.1% H ₂ O		M		Review when results on H-35 are in	
L Z-28	Butyl Acetate			M		Review when results on H-6 are in	
L	DP-452	BPE Epoxy Resins 40% Bromine		M		Review when results on Epoxy 829 are in	
	DEN 1138-A-85	85% Novolak Epoxy		M		" " " " " "	
	DER 511A-80	Brominated bisphenol/glycidyl ether epoxy resin		M		" " " " " "	
	DER 542	Bisphenol type epoxy		M		" " " " " "	
	DER 652-A-75	Epoxy Resin 75% in Acetone-Bisphenol A-type		M		" " " " " "	
	DER 661	Bisphenol A - type		M		" " " " " "	
	DER 661-PRA-80	80% DER 661 in Acetone		M		" " " " " "	
	Epi-Rez 510	BPGE Epoxy resin		M		" " " " " "	
	Epi-Rez 2390	BPGE Epoxy		M		" " " " " "	
	Epi-Rez 5183	BPGE Epoxy		M		" " " " " "	
	Epon 1004	BPGE Epoxy		M		" " " " " "	
	Epon 828	BPGE Epoxy		M		" " " " " "	
	Epon 1001 A-80	BPGE Epoxy 70% in Acetone		M		" " " " " "	
	Epon 1028 B-70	BPGE Epoxy in MEK		M		" " " " " "	
	Epon 1031-B-80	BPGE 80% in MEK		M		" " " " " "	
	ERLS 4221	Epoxy cyclohexane methyl Epoxy cyclohexane carboxylate		M		Review when results on G-695 are in	
	ERSB 0111	BCE epoxy resin soln.		M		Review when results on Epon 829 are in	
M	NMP	N-methyl pyrrolidone		M		Review when results on H-724 are in	
M	Xylene			M		Review when results on H-583 are in	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
			M	LBS./YEAR		
M	Araldite 064	Tri-dimethylamino methyl phenol			M	Review when results on H-348 are in
L	Ciba 139	Novolac Epoxy			M	Review when results on Epon 829 are in
M	Dicy 828	Dispersion on Dicyandimide in Epon 828			M	Review when results on Epon 829 and Dicyandimide are in
M	BF-3400	Boron trifluoride Complex			M	Review when results on Boron trifluoride are in
L	Cx 3540.3	BPGE Epoxy			M	Review when Epon 829 is in
M	Shell D	2-Ethyl Hexanoic Acid Salt of DMP 30			M	Review when results on H-348 are in
M	Diamino diphenyl sulfone	<i>- let acide</i>			M	Review when results on oxydianiline and methylene dianiline are in
M	Meta Phenylene Diamine				M	Aromatic Amine
M	Oncor 23A	Antimony oxide coated silica			M	Review when results on W-52 are in
1-1	Ethylene Dichloride				M	Review when results on other chlorocarbons are in
L	Black Nigrosine Dye				M	Review when results on azo pigments are in
L	Red PMS 1245	Dye			M	" " " " " "
<i>Black</i>	Vancide 51Z	Zinc dimethyl dithiocarbonate 46	7		M	H-511
1-1	Carbon Disulfide	<i>- let an</i> CS ₂	1,760		M	High use
L	Diethylene Glycol	Polyethylene Glycol 300	158		M	Review results of H-79
M	Formaldehyde	40% in water	475		M	Same as H-49
L	Dicalite 4200	SiO ₂	27		M	Silica
L	Filter acid					
M	Monastral Blue	Phthalocyanine blue CI, #74160 Pigment Blue 15	1.9		M	Review when Phthalocyanine are in
M	Monastral Green	Phthalocyanine Green CI, #74620 Pigment Green 7	3.6		M	" " " " " "

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS	
			M	LBS./YEAR			
L	Hostavat Brilliant Pink	Indigoid CI #73360/1, Vat Red	0.2		M	Review when results of W-312 are in	
MA	Permogen Yellow, Supra Paste	Diazo (benzidine) CI# 21095 Pigment Yellow 14	229		M	Review when results of Pigment Dept. for azo pigments are in.	
MA	X-2457 Imperse Orange	Diazo (benzidine) CI# 21110 Pigment Orange 13	3.3		M	" " " " "	
L	Cab-O-Sil M-5	SiO ₂	0.2		M	W-176 Silica	
L	Methyl Methacrylate Syrup	18% PMMA in MMA	7,900		M	Review when results on MMA are in	
MA	Lucperco PMA 25	t-butylperoxy maleic acid 25% paste	285		M	Review when results on t-butyl perbenzoate are in	
L	Methylene Chloride		240		M	see H-203	
A-9	CKR00 36	Non-heat reactive phenolic	2.8		L		
A-11	BKR 2620	Phenolic baking resin	12.4		L		
A-12	RL484R	Castor oil modified alkyd	0.48		L		
A-14	P10 Cumar	Para Coumarone-indene	7.2		L		
A-15	RH Cumar	Indene-coumarone resin	4.8		L		
A-16	Stabelite	Hydrogenated rosin	0.25		L		
A-17	FF Worl Rosin	Rosin	0.6		L		
A-19	RC 718 - Urea Formaldehyde	60% in BuOH	0.25		L		
A-27	Geon 202	VCl/VCl ₂ Copoly	13.4		L		
A-28	Durez 11078	Phenol-Formaldehyde	0.11		L		
A-36	CKM 1634	Heat Reactive Phenolic	0.08		L		
A-37	R3 Nevidene	Coumarone-Indene Resin	0.02		L		
A-39	Terepene Phenolic SP 553				L		
A-43	Durez 12686	Phenol-Formaldehyde	1.6		L		
A-47	Cumar W-1	Indene Coumarone			L		

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
A-48	Stabilite 10 Ester	Hydrogenated rosin	0.2	L	
A-51	BRL 110	Phenolic Resin-Water Sol		L	
A-52	Cumar P-25	Paracumarone-Indene	0.3	L	
A-53	Durez 12687	Phenol Formaldehyde	1.3	L	
A-55	Piccopale 100	Polymerized HC	0.08	L	
A-56	Cumar W 2 1/2	Coumarone Indene	0.24	L	
A-62	30 Teflon®	60% Dispersing of PTFE	22.5	L	
A-63	E 46971 adhesive T-10	20% solids polyester adhesive		L	
A-66	Acrysol 6	12.5% Aq. Soln. Sod Polyarylate	0.8	L	
A-67	Union Carbide Silane 172		0.02	L	
A-70	Butvar B76	Poly(Vinyl Butyral)	0.12	L	
A-72	Teflon® FEP 120	Co HFP/TFE 55% in water	0.02	L	
A-73	SP 560 resin	Terpene-phenolic	0.05	L	
A-77	Picco 25	Indene/coumarone	0.07	L	
A-79	Amberol ST140F	Non-reactive phenol formaldehyde	0.53	L	
A-80	Parlon CPU25	Chlorinated Natural rubber	0.17	L	
A-81	Parlon R125	Chlorinated Natural rubber	0.14	L	
A-82	All20	α-amino propyl triethoxy silane		L	
A-85	Fiber-brown	PTFE	56	L	
A-86	7.5d Teflon® Staple	PTFE	17.2	L	
A-89	Buntar	Modified phenolic	0.08	L	
A-95	Pyre ML Wire Enamel			L	
A-99	Teflon® Dispersion	PTFE		L	

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

A-101	PKC 6342 Lectron	Phenolic resin dispersed in water 48%	53.6	L
A-102	Fiber Flock Teflon®	PTFE	0.7	L
A-103	6.7d Teflon® Fiber		4.0	L
A-104	Teflon® Dispersion TE 3357	PTFE-60% in water	48	L
A-105	Teflon® Fiber	PTFE	7.6	L
A-106	" "	"	22.8	L
A-107	Kerimid 601	Thermosetting Polyimide Resin	1.5	L
A-108	MH3 Resin	Indene Coumarone	0.4	L
C-22	R2199 Red Oxide	Fe ₂ O ₃	0.044	L
C-23	R5098 Red Oxide	Fe ₂ O ₃	4.4	L
C-30	100 Mapico Yellow	"	0.14	L
C-38	FTFF Carbon Black	Carbon black	105	L
C-39	Scarb Black	Carbon black	332	L
C-41	MT FF carbon black	Carbon black	162	L
C-46	R510-TOPure	TrO ₂ Rutile	0.54	L
C-73	Philblack	Carbon black		L
C-78	Vulcan 3 carbon black	" "	2.4	L
C-85	Alcoa 205 Aluminum Paste	65% leafing Alin toluene		L
C-87	410 Mapico Brown	Fe ₂ O ₃	0.12	L
C-90	R610 TiPure	TiO ₂	1.96	L
C-91	B1042 Dispersion Ware B42	Color grind in Silastic	.004	L

RATIONALE FOR ASSIGNMENT AND COMMENTS					
CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY
			M LBS./YEAR		
C-94	Arovel FEF Carbon Black	Carbon Black	9.28	L	
C-95	B1073 Dispersion	75% Fe ₂ O ₃ in Silicone Oil	0.009	L	
C-96	Cabot black Pearl #2	Carbon black		L	
C-97	Sterling MTR	" "		L	
C-98	1571 Alum. Paste	66% Al	0	L	
C-102	Ware B5534	Ferro blue in Silastic 2/1		L	
C-103	Mapico Yellow 1050	Fe ₂ O ₃	.03	L	
C-108	So Carbon Black		16	L	
C-110	Oil black BG Dye			L	
C-111	Regal 300 Carbon black		28	L	
C-113	Huber EPC black		.048	L	
C-118	Mapico Yellow	Fe ₂ O ₃ H ₂ O	0.56	L	
C-119	Mapico Red #297	alpha-Fe ₂ O ₃	2.08	L	
D-2	2580 Barytes	BaSO ₄	16.8	L	
D-3	White Barytes	"	6.1	L	
D-7	Catalpo Clay	Al ₂ (SiO ₃) ₃	5.7	L	
D-9	Crown Clay	Al ₂ (SiO ₃) ₃	310	L	
D-11	Type TM/F Limestone	CaCO ₃	5.6	L	
D-12	Super Multiflex	"	0.02	L	
D-13	Silene EF	CaSiO ₃ nH ₂ O	0.06	L	
D-23	Atomite	CaCO ₃	146	L	
D-26	Dixie Clay	Al ₂ (SiO ₃) ₃	0.33	L	
D-29	McName Clay	Aluminum Silicate	2.7	L	
D-30	Hydral 710	Aluminum Hydrate	0.4	L	
D-31	Chloro Wax 70	70% Chlorinated Paraffin	0.17	L	

PAGE 10

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

D-33	Barium Titanate		0.016	L
D-34	Satintone 1	Calcined Clay	1.0	L
D-35	Zeolex 23	Hydrated sodium Silico Aluminate	0.2	L
D-36	Whitex #2	Calcined Clay	0.36	L
E-5	16-338 Castor Oil	Castor oil pale	0.064	L
E-8	Circo Lt Process Oil	Petroleum fraction	25.2	L
E-10	Kronisol	Dibutoxy ethyl phthalate	40	L
E-11	Stafllex DBES	Dibutoxy ethyl sebacate	104	L
E-12	Diobutyl Phthalate		8	L
E-14	Diocetyl Phthalate			L
E-15	Turpol NC 1200	Terpene Synthetic polymer	13.0	L
E-16	Galex W-100	Dehydroabiatic Acid	0.03	L
E-19	Palm Oil		0.044	L
E-20	Paraplex G-25	Polypropylene glycol adipate	0.16	L
E-21	Paraplex G-40	Polypropylene glycol adipate	1.22	L
E-22	Petrolatum XLA000	Terpene & Resin Acid	1.36	L
E-23	Pine Tar-Heavy Retort			L
E-24	Plasticizer SC	Polyethylene glycol coconut oil	1.30	L
E-28	Mineral Rubber Hard HC	Bituminous residue for Pet		L
E-30	Neophax AB Sub	Veg. Oil	36.5	L
E-31	Albowax	Paraffin	0.43	L
E-39	Plasticizer TP 95	Bibutoxy ethoxy ethyl adipate	1.3	L
E-42	Bondogen	Oil-Sol Sulfonic acid & hydrophobic Alc		L
E-45	Terpentine		0.17	L

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RAT. VALE FOR ASSIGNMENT AND COMMENTS	
E-46	Wool Grease 3		0.03	L		
E-57	Paraplex G62	Polymer Plasticizer	2.3	L		
E-58	Staflax LA	Sebacate Plasticizer	3.76	L		
E-60	Harflex 50	Diocetyl Sebacate	14.8	L		
E-62	Metaldyn 100D	Methyl ester of fatty acid	2.2	L		
E-64	Indonex W-2	Aromatic HC		L		
E-65	Para Flux 4156	Saturated polymerize Pet HC	0.48	L		
E-67	Plastolein 9058	Di-2-ethylhexyl ozolate	0.84	L		
E-70	Shell Flex	Petroleum Oil	6.24	L		
E-72	Plastolein 9250	Tetrahydrofurfuryl Oleate	0.44	L		
E-73	Rub Process Comp	Blend of terpenic oils & rosin	1.16	L		
E-74	GP 264	Di-2-ethyl hexyl phthalate	4.56	L		
E-75	Flexon 765	Paraffinic process oil		L		
E-76	Goodrite GP 233	Linear Dibasic Acid Ester	0.06	L		
E-77	Gulf 534 oil	Paraffinic process oil	1.72	L		
E-78	IP 908	Dibutoxy ethoxy ethyl formal	0.3	L		
E-79	Empol 1024	Dimer Acid	0.172	L		
E-80	Flexol GO	Polyethylene glycol 2-ethyl hexoate		L		
E-81	DCET 4327 Siloil Emuls	Methylphenyl silicone oil emulsion 35		L		
W-F-1	Accelerator 552	Piperidinium Pentamethylene Dithiocarbamate	0.13	L		
F-4	Accelerator 833	Butylaldehyde-butyl amine	0.05	L		
W-F-6	Accelerator DPG	Diphenyl guanidine	0.02	L		
W-F-10	Accelerator MBT	2-Mercaptothiazole	0.12	L		
W-F-11	Accelerator MBTS	2,2'-dithiobis benzothiazole	10.5	L		
F-13	Sulphur Aero Brand S		0.15	L		

CODE	TITLE	CHEMICAL DESCRIPTION	M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
F-83	B 2963 Dispersion	MgO-55% in Circo Oil	1.48	L	
F-88	EPTAC 2	High Power Accelerator for Nordel® Cure		L	
F-89	Ware B-1841	70% Dispersion of Thiuram-M Min Circo Oil		M	Review when results on Thiuram M are in
F-90	Nedac	Neoprene Accelerator	0.005	L	
F-91	Zetax	Zinc Salt of Mercapto Benzothiazola		L	
F-93	Caythur #4	ZnCl ₂ -benzothiazyl. disulfide	0.024	L	
F-94	Ware B6923 Dispersion	67% ZnO, 10% NA-223% Thiuram-M Min Circo Oil	1.24	M	Review when results on Thiuram M are in
F-96	Ware B7531	67% ZnO, SBR		L	
F-99	BMDA	Benzyl Dimethyl Amine	0.05	L	
F-102	Aronox	p(p-tolyl sulfuramido diphenyl amine)	0.176	L	
F-103	Reliozone	Petroleum Wax	2.2	L	
F-106	Permalux	DOTG Salt of Dicatechol Borate	0.044	L	
F-108	Antioxident 2246	2,2'methylene-bis(4 methyl 6,6-ditert butyl phenol)	0.36	L	
F-111	Flectol H	Acetone & aniline	0.072	L	
F-113	Aminox	Diphenyl amine & acetone	0.092	L	
F-114	Agerite D	Polymerized 1,2-dihydro 2,2,4-trimethyl quinidine	2.8	L	
F-120	Vanstay HTB	Complex Barrium Organic Cpd	0.092	L	
F-124	LD 235	Phenol type antioxidant	0.08	L	
F-125	Ionol	Alkylated phenol		L	
F-127	Hexamethylene Tetramine		0.03	L	
F-128	Nickel Dibutyl Dithiocarbamate			L	
F-129	Phenothiozene			L	

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

F-201	Retarder W	Salicylic Acid & Dispersing Agent	0.02	L	
F-203	B-Naphthyl Mercaptan			L	
F-205	Sodium Acetate		0.2	L	
F-207	Nuddex Zinc 10%	Zinc Stearate	0	L	
F-211	Calcium Stearate		1.18	L	
F-215	Zinc Stearate		0.16	L	
F-219	Ucon LB 525	Polyalkylene Glycol	0.2	L	
F-223	RR-10	Mixed Dixyl Disulfide	1.1	L	
F-225	Zinc Borate		0.17	L	
F-235	Ware 2172	60% Hexamethylene tetramine dispersion in Cumar	0.02	L	
F-240	Keramide S	Stearamide	0.02	L	
F-241	Keramide U	Oleamide	0.012	L	
F-245	Altacide P	Fungicide	0.008	L	
F-246	TP 75	Processing Aid for Urethane	1.0	L	
F-251	Azodox 55TT	ZnO	0.07	L	
F-252	55-4012C	Dibutyl Tri Dilaurate	0	L	
F-255	HYA2	N,Nm-Phenylene Maleimide	0.06	L	
F-257	Copper Dimethyl Dithiocarbamate			L	
L-4	Thickol ST	Polysulfide	0	L	
L-8	Synpol 1061	Butadiene-Styrene Copoly	0.88	L	
L-12	1001x225 Hycar	Butadiene-acrylonitrile copoly	8.6	L	
L-13	AC Neoprene	Polychloroprene	1.3	L	
L-16	GN-MI Neoprene	Polychloroprene	0.28	L	
L-17	KNR Neoprene	Polychloroprene	0.09	L	
L-22	GNAM-2 Neoprene	Polychloroprene	191	L	
L-23	Paracril BJ	Butadiene/acrylonitrile		L	

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

L-24	Paracril B	Butadiene/acrylonitrile copolymer	114	L
L-28	Paracril AJ	"	1.2	L
L-32	W Neoprene	Polychloroprene	88	L
L-41	Paracril 18-80	Butadiene acrylonitrile	0.68	L
L-45	4021 Hycar	Polyacrylic Polymer	0.32	L
L-46	WRT Neoprene	Polychloroprene	2.28	
L-50	1042 Hycar	Butadiene Acrylonitrile Copolymer	128	
L-57	1041 & 1041B Hycar	Butadiene Acrylonitrile Copolymer	21	L
L-58	Paraflex 1500C	Butadiene Styrene Copolymer		L
L-60	Neoprene WHV	Polychloroprene		L
L-61	SE 501U	Silicone		L
L-62	Vistanex LM Type MS	Poly-isobutylene	2.6	L
L-63	Dow Corning Silastic 50	Silicone		L
L-64	Dow Corning Silastic 6728	"	0.53	L
L-65	Enjay Butyl 365	Poly-isobutylene-butadiene copolymer	7.6	L
L-66	Enjay Butyl 268	"	0	L
L-69	Hypalon® 20	Chlorosulfurated polyethylene	8.2	L
L-72	SE-100-U GE	Silicone	0.2	L
L-79	Silastic 6-127	Silicone cpd		L
L-80	Thiokol LP-3	Liquid Polysulfide polymer	0	L
L-81	Bromobutyl X2	Brominated butyl rubber		L
L-82	Vistanex L-80	Polyisobutylene		L
L-84	1107 Silicone	Liquid Silicone	0.05	L

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
			M LBS./YEAR			
L-91	1312 Hycar	Butadiene Acrylonitrile Copolymer	2.4	L		
L-93	1014 Hycar	"	3.2	L		
L-94	A Viton	Fluorinated Elastomer	0.04	L		
L-95	SE 33 Silicone	GE Silicone Gum	0	L		
L-97	Hypalon@30	Chloro sulfonated polyethylene	0.26	L		
L-99	Viton AHU	Hexafluoropropylene/vinyl fluoride	0	L		
L-101	1072 Hycar	Butadiene/acrylonitrile/carboxylated rubber	0.08	L		
L-108	K1516 Silicone	Electrically conductive silicone	0.37	L		
L-116	Hycar 1052	Butadiene acrylonitrile copolymer	176	L		
L-117	Hypalon@40	Chlorosulfonated polyethylene		L		
L-118	Viton Reclaimed	Viton		L		
L-119	SE 525A Silicone		0	L		
L-121	1053 Hycar	Butadiene Acrylonitrile Copolymer	0	L		
L-123	WB Neoprene	Polychloroprene	2.52	L		
L-127	Silastic Base Gum #433	Silicone Base Gum (DC)		L		
L-129	Silastic. 916	High strength 50 Durometer Red Silicone		L		
L-137	L563 Silicone	Catalyzed fluorinated silicone	18.12	L		
L-138	WD Neoprene	Polychloroprene	40	L		
L-139	Liquid Viton		0.44	L		
L-140	Chlorobutyl Rubber		4.5	L		

RATIONALE FOR ASSIGNMENT AND COMMENTS

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY
L-175	Estane 58013 Blk #288	Thermoplastic polyurethane (polyester)	0.012	L
L-176	Silicone Reclaim Red	Reclaimed Silicone		L
L-177	Nordel® 1070	Ethylene/Propylene Terpoly	1.48	L
L-178	Silicone SS4027	Silicone in naphtha	0.001	L
L-181	N-328 Chemigum Hycar	Butadiene, Acrylonitrile Copolymer	74.8	L
L-182	TW Neoprene	Polychloroprene	28.9	L
L-183	Hycar 1202X1	AN/PVC preblend		L
L-184	B-50 Viton	Modified fluoroelastomer	3.6	L
L-185	A-35 Viton	Low Viscosity fluoroelastomer	17.6	L
L-186	4031 Hycar	Poly Acrylate Polymer	0.4	L
L-187	Paracryl BLT	Med. AN cold polymerized		L
L-188	CF 1063	Catalyzed fluorosilicone		L
L-189	N615RP Chemigum, Hycar	Low AN copolymer	0.42	L
L-190	Blensil 88	Dimethyl Silicone 80 Shore A		L
L-191	Blensil 44	" " 40 " "	0.005	L
L-192	Hycar 1202X3	80% Nitrile/PVC Blend	97.2	L
L-193	DC-80-U	Silastic 80 Uncatalyzed	0.88	L
L-194	CF113UTS-50	Fluorosilicone catalyzed w/2, 4-dichlorobenzoyl peroxide	7.1	L
L-195	Neoprene TW 100	Polychloroprene	56.8	L
L-196	Budene 1207	Poly (cis,1,4-polybutadiene)	9.2	L
L-197	Hypalon® LD 999	Chlorosulfonated polyethylene	10.4	L
L-198	Chemigum N612	Medium Nitrile polymer	2.0	L
L-199	Dow Corning CF-165	70 Durometer Dimethyl Silicone	31.2	L

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

L-200	Paracril 070	70/30 Blend NBR/PVC	9.6	L
L-201	GE22093	Silicone 2,4-dichlorobenzoyl	10	L
L-202	Silastic 1125U	Uncatalyzed Silicone Poly		L
L-203	GE24613	Methyl Vinyl Silicone		L
L-204	Chemigum N-300	High acrylonitrile NBR Poly		L
L-205	DC CF 1061	30 Durometer Dimethyl Silicone	6.1	L
L-206	Silicone 43922G4	50 Durometer ME, Vinyl Silicone	14.4	L
L-207	UCY392RB or GE22013	" " " Red		L
L-208	UCY 8125	70 Dur Dime Silicone-2,4 BPO		L
L-209	Silicone UCY-8046 RB	70 Dur Me Vinyl Silicone	7.0	L
L-210	Hycar 4041	Ethyl Acrylate Polymer	4.5	L
L-211	Hycar 1571	15% RIF resin		L
L-212	A929 latex Cpd-Hycar 1571	15% RIF resin-latex-no HCHO	94.8	L
L-213	GE 24608	Methyl Phenyl Silicone		L
L-214	Herchlor C	Ethylene oxide/epichlorhydrin	3.04	L
L-215	Herchlor H	Epichlorhydrin polymer		L
L-216	Arofene 7208-W-75	Hycar Latex to make L 212	4.68	L
L-217	Paracril 3300	Cold polymerized BD/AN 27%	2.6	L
L-218	UC 4817 OGYB	Methyl Vinyl Silicone	1.13	L
L-219	A941 Latex Cpd	RF resin Hycar 1571-8% solids		
T-4	Synthetic Wax	Montan Wax		L
T-11	TK 5104 Flat	14% SiO ₂ , 7% Vinyl, 79% MEK	0.32	L
T-18	Mica AAA	K Al Silicate	.008	L
T-20	Sericite Mica	" "	24.9	L

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

T-25	Mica 8	KAl Silicate	0.4	L
T-59	Methyl Zimate		0.62	L
T-42	Aquarex Me	Sod. Alkyl Sulfate		L
T-60	Acrawax Mica Blend		2.80	L
T-72	Antifoam Emulsion			L
T-78	Triton X100	Alkyl Arylpoly ether Alcohol	0.052	L
T-79	Santomuse #43	Sod. decyl benzyl sulfonate		L
T-81	52J1478 Lacquer	Clear Lacquer	0.02	L
T-82	60N6148	Blue Lacquer	0.64	L
T-83	62P1249 Lacquer	Black Lacquer	0.21	L
T-85	60x7769 Lacquer	Red Lacquer	0.42	L
T-86	60x8282 Lacquer	Green Lacquer		L
T-91	H493T Soap		4.1	L
T-92	60x82,20 Lacquer	Yellow Rubber Lacquer	0.2	L
T-93	Dusting Starch	Corn Starch	0.48	L
T-95	Carbopol 934	Carboxy Vinyl Polymer	0.03	L
T-96	Carboxwax 4000	Polyethylene glycol	0.04	L
T-98	60x8144 Lacquer	Red printing lacquer	0.004	L
T-104	Polyethylene W617A	Polyethylene	3.37	L
T-105	Dupanol WAQUE	Sod. Lauryl Sulfate		L
T-106	LuDox Am	Collordal Silica & Al ₂ O ₃		L
T-107	DC 280 Adhesive	Methyl phenyl silicone gummin xylene	1.26	L
T-108	FC 17D	Fluorinated wetting agent	0.024	L
T-110	Thixon AM 2 Adhesive	Rubber & Chem Deriv. in Vol. Solvent		L
T-111	Thixon XAP 386 Adhesive	Rubber & Chem Deriv. in Vol. Solvent		L

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
T-115	Chemlok 608	12% Silicone in MeOH & VM + P Naph	0.03	L	
T-116	Chemlok 205		0.12	L	
T-117	Chemlok 220		0.1	L	
T-118	Thixon NM 2xAP 1435	Rubber in Vol Solvent	0.54	L	
T-119	Thixon XP 1435		0.52	L	
T-120	Resin Weld R7119	Thermosetting & thermoplastic Resin	3.2	L	
T-121	Bostick 7040A	28-30% Solids Rubber	0.57	L	
T-122	Bostick 7040		0.39	L	
T-123	KP1001 Primer	Silicone Primer	0.11	L	
T-124	Modaflow	Resin Modified	0	L	
T-125	TF-80'	Plasticizer-ester	2.5	L	
T-126	Bostick 2747	Natural Rubber adhesive	0	L	
T-127	Electrodag 192	Collordal Graphite	0.11	L	
T-128	TE-28-G		0.43	L	
T-129	ZO-9	Blend of Waxes		L	
T-3223	(Parlin)		32.8	L	
T-3299	(Parlin)		256	L	
Z-8	Ponsolve	100 pts N.EtOH, 1 Pt. + EtAc. 1 Pt Ar, 2 Pts MeOH	8.64	L	
Z-12	Ammonia	28% Aq	0.10	L	
	General Purpose Styrene	Polystyrene		L	
	Hi Impact Styrene	Butadiene Styrene		L	
	Low Density Alathon	Polyethylene		L	
	High Density Alathon	Polyethylene		L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION		PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
			M	LBS./YEAR		
	Surlyn	Ethylene-Acrylic Acid Copoly		L		
	Delrin	Polyformaldehyde resin		L		
	Nylon Flake	Polyamide				
	ABS	Acrylonitrile/butadiene/ Styrene copolymer		L		
	Polypropylene			L		
	Nylon Filament	Polyamide		L		
	DAIP	Diallyl Isophthalate		L		
	DAP	Diallyl Phthalate		L		
	DAPTHN 35	Diallyl Phthalate Prepolymer		L		
	DC 2106	Silicone Resin		L		
	DP 24-2	Phenolic Resin		L		
	Diuron	N(3,4-dichlorophenyl)N',N' dimethylurea		L		
	EC 204	Phenolic Resin		L		
	ERLB 0500	Glycidyl amine		L		
	Hetron	Chlorinated polyester		L		
	Hycar 1472	Carboxy terminated acrylonitrile elastomer		L		
	Hycar 1472 MEK	MEK Solv. Hycar 1472		L		
	Lactic Acid			L		
	MB 2003	Epoxy resin master batch		L		
	PKHS	Phenoxy Resin		L		
	SC1008	Phenolic Resin		L		
	URX55	Imidazole Salts		L		
	URX66	" "		L		
	AI174	Organofunctional Silane		L		
	AI100	Amino Propyl Triethoxy Silane		L		
	101L	Phenolic-resin		L		

RATIONALE FOR ASSIGNMENT AND COMMENTS

PRIORITY

ANNUAL
CONSUMPTION
M LBS./YEAR

CHEMICAL DESCRIPTION

TITLE

CODE

169-3	Phenolic resin	L	
Hexamethylene Tetramine		L	
LP-3	Polysulfide resin.	L	
#248 Polyester		L	
Black 2055	Pigment	L	
Shawinegan Black	Carbon black	L	
Sienna 44-55	Pigment Dispersion	L	
#336 Epoxy Edge Seal		L	
Sulfuric Acid	93% H ₂ SO ₄	L	2,050
BTC 776	Alkyldimethyl benzyl ammonium chloride 50% in water	L	44
Barquat OJ-50	Alkyldimethyl benzyl ammonium chloride-50% in water	L	4.4
Rosin Amine D	Dehydroabietyl amine	L	28
Antifoam-60 GE	Oil/water emulsion of antifoam silicone-30%	L	4.4
Calcium Chloride	80% CaCl ₂	L	27
Buckeye V60	Wood pulp-cellulose pinewood	L	2,460
Albone	35% AqH ₂ O ₂	L	27.1
Yellow Iron Oxide	Fe ₂ O ₃	L	10.1
Rhoplex AC-33	Acrylic Polymer Emulsion	L	24.8
Veegum	Colloidal Magnesium Aluminum Silicate	L	0.7
Soda Ash	Na ₂ CO ₃	L	20.1
Sodium Bicarbonate		L	1.1

<u>CODE</u>	<u>TITLE</u>	<u>CHEMICAL DESCRIPTION</u>	<u>ANNUAL CONSUMPTION</u> M LBS./YEAR	<u>PRIORITY</u>	<u>RATIONALE FOR ASSIGNMENT AND COMMENTS</u>
	Sodium Hydroxide	50%	1,865	L	
	Sodium Sulfate	Anhydrous	2,435	L	
	Urea		280	L	
	IL-985 Softener	Straight chain polyhydric alcohol-85% in H ₂ O/glycerine	711	L	
	Neoprene Latex 650		28	L	
	Santo White	4,4'thio bis-(6-tert-butyl alcohol)	0.3	L	
	Zinc Oxide Powder		0.9	L	
	TiPure R902	Rutile TiO ₂	0.8	L	
	Catalpo Clay		1.35	L	
	Triton X-100	Octyl phenoxy polyethoxy ethanol	0.1	L	
	Alumina Trihydrate		15,600	L	
	Calcium Hydroxide		75	L	
	Glycol Dimercapto- acetate		30	L	
	Polyvinyl Alcohol Film		140	L	
	Carbowax 400	Polyethylene glycol	5	L	
	TiO ₂ Dispersion	60% in Paraplex G62	10	L	
	Veining Pigment	" " "	Low	L	
	Nitric Acid	63%	2	L	

GRMcC:adw
6/17/75