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February 24, 1975

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REVISED CARCINOGENICITY TESTING PRIORITY LISTS

These are revised second and third installment lists showing priorities assigned in our meeting of February 20, 1975.

G. R. McClure

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Attachments

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-6*	Butyl Acetate		2,610	H	High use, present unchanged in finished product, pilot for esters
H-12	N-Butyl Alcohol		7,620	H	High use, present unchanged in finished product, pilot for alcohols
H-22	Castor Oil		124	M	Ricinoleic acid and stearin reported to be neoplastic - Pilot for drying oil and drying oil acids
H-30	Acetone		32,500	M	High use, present unchanged in finished product, pilot for ketones
H-49*	Toluene, Redistilled		50,600	H	High use, present unchanged in finished product, pilot for aromatic hydrocarbons
H-79*	Ethylene Glycol Mono-ethyl Ether Acetate		15,200	M	High use, present unchanged in finished product, pilot for other ethylene glycol ether/esters
H-96	Trichloroethylene	In test at NCI	71	M	Similar to reported carcinogen
H-172	Cobalt Naphthenate Solution 6% Cobalt	54% in mineral spirits	437	H	Some cobalt salts reported to be neoplastic
H-201	Formaldehyde Solution 50%	50% in water, 2% CH OH	3,030	M	Formaldehyde reported to be neoplastic
H-203	Methylene Chloride Technical Grade		472	M	Similar to reported carcinogen
H-204	1,4 Dioxane	In test at NCI	140	M	Reported to be neoplastic
H-205	1,1,2-Trichloroethane	In test at NCI	328	H	Similar to reported carcinogen
H-316	Allyl Isothiocyanate		2.0	H	Present unchanged in product used by consuming public
H-348	Dimethyl Amino Methyl Phenol		0.7	M	Similar to reported neoplastic
H-367*	Propylene Imine		78	H	Similar to reported carcinogen
H-371	Butyrolactone		27	L	
H-389	Diethyl Hydroxylamine	85% in Water	0.1	M	Similar to reported carcinogen
H-409	Cresylic Acid	Cresol	40	L	
H-428*	Methyl Methacrylate Monomer	55 ppm Hydroquinone	15,380	M	High use and pilot for other acrylate and methacrylate monomers

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-479	Safrol	1-Allyl-3,4-methylenedioxy benzene, under test at NCI	0.8	H	Reported to be neoplastic
H-511	Vanicide TH	Hexahydro 1,3,5 triethyl triazine	1.1	M	Known biologically active compound present unchanged in product used by consuming public
H-514	Ethylene Glycol		6,300	M	Reported to be neoplastic
H-540	Nickel Octoate	66% in Xylene	36.8	M	Some nickel salts reported to be neoplastic
H-545	t-Butyl Perbenzoate		38	H	Reported to be neoplastic
H-640	Di-t-Butyl Peroxide		175	M	Reported to be neoplastic
H-647	Cunilate 2174 NO	Copper-γ-quinolate in 2 ethyl hexanoic acid and mineral spirits	0.8	M	8-Hydroxy quinoline reported to be neoplastic
H-564	Heptane		84	M	Review when results on hexane are in
H-694	Morpholine		83	H	Reported to be neoplastic
H-696	Butadiene		7,690	H	High use
H-707	Zirco Drier Catalyst	Zirconium organic complex 28% in mineral spirits	81.4	M	Some zirconium salts reported to be neoplastic
H-710	Styrene Monomer		3,700	M	High use
H-719	Tributyl Phosphate		36.8	H	Pilot for other organic phosphates
H-720	Hylene® TM Organic Isocyanate	Toluene diisocyanate 80% 2,4; 20% 2,6	255	M	Possible alkylating agent, pilot for aromatic isocyanates
H-724	N-Methyl Pyrrolidone		1,324	H	High use, present unchanged in final product
H-4	Accelerator Solution	Butyl acid phosphate solution	0.36	M	Review when results on tributyl phosphate are in
H-7	Tung Oil	Chinawood oil - 80%, glyceryl ester of elaeostearic acid, 15% oleic acid	1,002	M	Review when results on castor oil are in
H-9	Secondary Butyl Acetate		4.2	L	
H-18	Isobutyl Alcohol		502	M	Review when results on n-butanol are in
H-19	Varnish Linseed Oil		3,630	M	Review when results on castor oil are in
H-29	Petroleum Naphtha 88-142°C	Aliphatic hydrocarbon	931	M	Review when results on hexane are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-35*	Methyl Ethyl Ketone		5,020	M	Review when results on acetone are in
H-39	Diacetone Alcohol		2,195	H	High use - Pilot for hydroxy ketones
H-40	Methyl Isoamyl Ketone		123	M	Review when results on acetone are in
H-41	Methanol		7,500	M	Review when results on n-butanol are in
H-44	Methyl Isobutyl Ketone		4,120	M	Review when results on acetone are in
H-48	Methyl Isobutyl Carbinol		20.6	M	Review when results on n-butanol are in
H-55	Methyl Amyl Acetate	Acetate of methyl isobutyl carbinol	327	M	Review when results on butyl acetate are in
H-59	Soya Bean Varnish Oil		8,250	M	Review when results on castor oil are in
H-66	Cyclohexanone		31	M	Review when results on acetone are in
H-69	Isopropyl Alcohol Anhydrous		9,800	M	Review when results on n-butanol are in
H-73	Ethylene Glycol Monomethyl Ether		6.9	M	Review when results on H-79 are in
H-74	Ethylene Glycol Mono-Ethyl Ether		1,380	M	Review when results on H-79 are in
H-80	Primary Amyl Acetate		114	M	Review when results on butyl acetate are in
H-85*	Hexane		709	M	Pilot for aliphatic hydrocarbon
H-92	Crystal Odorless, Tasteless Castor Oil		0.34	M	Review when results on castor oil are in
H-102	2-Ethyl Hexanol		103	M	Review when results on n-butanol are in
H-116	Blown Castor Oil	Polymerized castor oil	176	M	Review when results on castor oil are in
H-120	Pale Blown Castor Oil	Polymerized castor oil	21	M	Review when results on castor oil are in
H-123	Flexricin P-1	Methyl ricinoleate	0.4	M	Review when results on castor oil are in
H-136	Absolute Ethyl Acetate		1,282	M	Review when results on butyl acetate are in
H-141	Processed Linseed Lacquer Oil	Contains 15% ethanol	1.3	M	Review when results on castor oil are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-143	Diethylene Glycol Monobutyl Ether		187	M	Review when results on H-79 are in
H-145	Diisobutyl Ketone		135	M	Review when results on acetone are in
H-154	Oleic Acid		40	M	Review when results on castor oil are in
H-156	Dehydrated Castor Oil	Triglyceride of 9,11 and 9,12 linoleic acids	311	M	Review when results on castor oil are in
H-158	Conjugated Safflower Oil		455	M	Review when results on castor oil are in
H-184	Zinc Naphthenate Solution	67% in mineral spirits	0.2	M	Review when results on H-172 are in
H-196	Xylenyl Phosphate	70% Trixylenyl phosphate 30% Tricresyl phosphate	12.4	M	Review when results on tributyl phosphate are in
H-199	Cyclohexanol		20.3	M	Review when results on n-butanol are in
H-200	Aromatic Hydrocarbon Solvent (175-223°C)	70% $>C_8$ aromatic hydrocarbon	2	M	Review when results on toluene are in
H-202	Aromatic Hydrocarbon Solvent (130-195°C)	59% $>C_8$ aromatic hydrocarbon	2	M	Review when results on toluene are in
H-216*	Butyl Methacrylate	MEHQ inhibited	1,050	M	Review when results on MMA are in
H-224*	Ethylene Glycol Monobutyl Ether		532	M	Review when results on H-79 are in
H-226	Coconut Oil Fatty Acid	Mostly lauric with capric, caprylic, and myristic	0.2	M	Review when results on castor oil are in
H-245	Hydroxy Propyl Methacrylate	1200 ppm MEHQ	31	M	Review when results on MMA are in
H-253	Raw Linseed Oil		221	M	Review when results on castor oil are in
H-255	Linseed Oil Fatty Acid		147	M	Review when results on castor oil are in
H-257*	VM & P Naptha	Aliphatic hydrocarbon 100-163°C	8,160	M	Review when results on hexane are in
H-262	Heavy Mineral Spirits	Aliphatic hydrocarbon 182-266°C	814	M	Review when results on hexane are in
H-265	Kerosene	Aliphatic hydrocarbon 15% aromatic	1,050	M	Review when results on hexane are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-268	VZ-425, Alt. #2, #7 Carburetor Cleaner	63% High solvency hydrocarbon, 32% butyl cellosolve, 3% diacetone alcohol, 3% lubrizol 3101	141	M	Review when results on constituents are in
H-270	Pentoxone	4 Methoxy, 4 methyl pentanone-2	17.1	M	Review when results on di-acetone-alcohol are in
H-272	2-Ethyl Hexyl Acrylate	50-70 ppm MEHQ	34.7	M	Review when results on MMA are in
H-273	N(Isobutoxy Methyl) Acrylamide		10.3	M	Review when results on acrylamide and MF pilot resin are in
H-286	Ethyl Acrylate Monomer	10-20 ppm MEHQ	11	M	Review when results on MMA are in
H-287	Mineral Spirits	Aliphatic hydrocarbon 145-215°C	11,620	M	Review when results on hexane are in
H-302	Hydroxy Ethyl Methacrylate	1,200 ppm MEHQ	2.8	M	Review when results on MMA are in
H-308	Santicizer 141	2-Ethyl hexyl, diphenyl phosphate	0.3	M	Review when results on tributyl phosphate are in
H-309	Estynox 308	Epoxidized castor oil	4.4	M	Review when results on castor oil are in
H-314	Ethyl Acetate (Poly Urethane Grade)		809	M	Review when results on butyl acetate are in
H-344	Coconut Oil	Lauric, myristic, palmetic triglycerides	1,280	M	Review when results on castor oil are in
°H-350*	2-Ethyl Hexyl Acrylate	100 ppm MEHQ	7,750	M	Review when results on MMA are in
H-353	Aromatic Hydrocarbon (135-146°C)	96% $>C_8$ aromatic	1,740	M	Review when results on toluene are in
H-354	Cardura E Ester	Glycidyl ester of t-carboxylic acid	955	M	Review when results on Epon 829 are in
H-377	t-Butyl Peracetate	75% in mineral spirits	26.0	M	Review when results on t-butyl perpivalate are in
H-378	n-Butanol/Formaldehyde	Mixture butanol and 40% formaldehyde	425	M	Review when results on formaldehyde are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-392	2-Ethyl Hexyl Octyl Phenol Phosphite		0.8	M	Review when results on di-tert-butyl peroxide are in
H-393	Vinyl Toluene Monomer	12 ppm and butyl catechol	8.9	M	Review when results on styrene are in
H-401	Ethylene Glycol Mono-butyl Ether Acetate		1,460	M	Review when results on H-79 are in
H-416	Petroleum Naphtha 155-185°C	Aliphatic hydrocarbon	327	M	Review when results on hexane are in
H-418	Chemacoil TA 1000	Vinyl oxazoline ester of tall oil fatty acids	396	M	Review when results on castor oil are in
H-423	Aromatic Controlled Petroleum Naphtha EOR	APC analog of H-29 East of Rockies - <12% toluene	160	M	Review when results on hexane are in
H-435	N-Methylol Acryl-amide Solution	60% in water	1.2	M	Review when results on acrylamide and MF pilot resin are in
H-438	Ethylene Glycol Diacetate		1,495	M	Review when results on H-79 are in
H-443	t-Butylamino Ethyl Methacrylate	1200 ppm MEHQ	56	M	Review when results on MMA are in
H-444	Trisamino Oil of LOFA	Vinyl oxazoline ester of linseend oil fatty acids	456	M	Review when results on castor oil are in
H-445	Hexylene Glycol Diacetate	Diacetate of 2-methyl 2,4 pentanediol	88.1	M	Review when results on H-79 are in
H-446	Aromatic Controlled Heavy Mineral Spirits	APC analog of H-262 East of Rockies - 5% aromatic	331	M	Review when results on hexane are in
H-457	Aromatic Controlled Mineral Spirits EOR	APC analog of H-287 East of Rockies - 8% aromatic	7,510	M	Review when results on hexane are in
H-460	Special Naphthilate Rule 66	APC analog of H-775 - ∿2% aromatic	2,560	M	Review when results on hexane are in
H-462	Isopar G	Isoparafinic hydrocarbon 155-180°C	22.1	M	Review when results on hexane are in
H-465	Hydrocarbon Solvent APC	APC analog of H-510 - 138-185°C	3,760	M	Review when results on hexane are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-473	Aliphatic Hydrocarbon 124-144°C		0.008	M	Review when results on hexane are in
H-491	Formaldehyde Solution 37%		18	M	Review when results on 40% formaldehyde are in
H-501	Hydroxy Ethyl Acrylate		754	M	Review when results on MMA are in
H-505	Creosole		0.4	M	Review when results on cresylic acid are in
H-510	Guaicol Special C	10% quaicol, 90% o-substituted phenol	32	M	Review when results on cresylic acid are in
H-513	Ethyl Methacrylate Monomer	50 ppm HQ	40	M	Review when results on MMA are in
H-515	2-Ethyl Hexyl Methacrylate	50 ppm MEHQ	76	M	Review when results on MMA are in
H-520	Neutral Oil	Aliphatic hydrocarbon	135	M	Review when results on hexane are in
H-522	Turkey Red Oil	Sulfonated castor oil 50% sulfonated	26	M	Review when results on castor oil are in
H-527	Methyl Methacrylate Monomer	20-30 ppm MEHQ	358	M	Review when results on H-428 are in
H-533	Aliphatic Hydrocarbon 116-147°C	Saturated branched chain	395	M	Review when results on hexane are in
H-536	Isobutyl Methacrylate		68.5	M	Review when results on MMA are in
H-542	Super Cobalt 5%	Cobalt drier 48% solids	3.8	M	Review when results on cobalt naphthenate are in
H-546	Normal Propyl Acetate		67.5	M	Review when results on butyl acetate are in
H-547	High Flash VM & P Naphtha	Aliphatic hydrocarbon	135	M	Review when results on hexane are in
H-549	Stearyl Methacrylate	———	15	M	Review when results on MMA are in
H-558	Allyl Methacrylate		8.4	M	Review when results on MMA are in
H-570	Aliphatic Petroleum Hydrocarbon (138-177°C)		3,640	M	Review when results on hexane are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-579	Ethyl Benzene		1.2	M	Review when results on toluene are in
H-581	Dehydrated Castor Oil Fatty Acids		521	M	Review when results on castor oil are in
H-583	Xylol (135-146°C)		31,620	M	Review when results on toluene was in
H-586	Dimerized TOFA	16-18% dimerized tall oil fatty acids	113.7	M	Review when results on toluene was in
H-588	12% Cobalt Ten Cem Liquid	Cobalt neodecanoate 65% in mineral spirits	5.2	M	Review when results on cobalt naphthenate are in
H-589	Heavy Mineral Spirits WOR	APC analog of H-262 West of Rockies - 19% aromatic	59	M	Review when results on hexane are in
H-593	Hydroxy Propyl Methacrylate		51	M	Review when results on MMA are in
H-596	Hydrocarbon Solvent 150-190°C	95% aromatic	14,200	M	Review when results on toluene are in
H-601	Hydrocarbon (182-219°C)	98% aromatic	6,690	M	Review when results on toluene are in
H-607	Calcium Naphthenate Solution 4% Calcium	61% solids in mineral spirits	37.7	M	Review when results on calcium chloride are in
H-610	Calcium Hexogen Drier	Calcium 2-ethyl hexanoate 45% in mineral spirits	2	M	Review when results on calcium chloride are in
H-614	Cumene Hydroperoxide		20	M	Review when results on di-tert-butyl peroxide are in
H-617	Oleic Acid		0.03	M	Review when results on castor oil are in
H-621	Zelec UN	Mixtures of mono and dialkyl phosphates	1.9	M	Review when results on tributyl phosphate are in
H-624	Lead Naphthenate Solution 24%		29.5	M	Review when results on lead chromate are in
H-632	Odorless Mineral Spirits	Aliphatic hydrocarbon	2,950	M	Review when results on hexane are in
H-639	Distilled Soya Fatty Acid		119	M	Review when results on castor oil are in
H-648	Diethylene Glycol Monoethyl Ether		4	M	Review when results on H-29 are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-652	Dowanol TPM	Tripropylene glycol methyl ether	2.4	M	Review when results on H-79 are in
H-653	High Solvency Hydro-carbon	95% aromatic	0.3	M	Review when results on toluene are in
H-663	Fractionated TOFA	Tall oil fatty acids	543	M	Review when results on castor oil are in
H-665	No. 3 Castor Oil		3	M	Review when results on castor oil are in
H-668	Lead Tallate 24%	66% solids in mineral spirits	17.4	M	Review when results on lead chromate are in
H-677	Heavy Bodied Raw Linseed Oil	Partially oxadized linseed oil	6.4	M	Review when results on castor oil are in
H-678*	High Solvency Hydro-carbon (99-135°C)	97% toluene	19,600	M	Review when results on toluene are in
H-686	Polyglycol Recinoleate	Polyethylene oxide recinoleate-complex ester	0.3	M	Review when results on castor oil are in
H-688	Butyl Carbitol Acetate	Diethylene glycol monobutyl ether acetate	44.5	M	Review when results on H-79 are in
H-691	Fractionated TOFA 5% Rosin Acid		804	M	Review when results on castor oil are in
H-692	Butyl Methacrylate		239	M	Review when results on MMA are in
H-697	Toluene Substitute	∿99% toluene	6,750	M	Review when results on toluene are in
H-703	Tyzor TOT Organic Titanate	Tetrakis 2 ethyl hexyl titanate	134	M	Review when results on titanium dioxide are in
H-721	Ethyl Acrylate	0.02% MEHQ	2,330	M	Review when results on MMA are in
H-732	White Oleic Acid		7.3	M	Review when results on castor oil are in
H-735	Cellosolve Acetate		191	M	Review when results on H-79 are in
H-736	Diethylene Glycol		267	M	Review when results on H-79 are in
H-758	Socal Solvent 44L	69% aromatic	1.1	M	Review when results on toluene are in
H-769	Heat Bodied Soya Bean Oil VO969		221	M	Review when results on castor oil are in
H-770	Heat Bodied Linseed Oil VO5053		212	M	Review when results on castor oil are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-771	Heat Bodied Linseed Oil 408000		3.2	M	Review when results on castor oil are in
H-772	Diethyl Amino Ethyl Methacrylate		107.5	M	Review when results on MMA are in
H-773	APC Mineral Spirits WOR	APC analog of H-457 West of Rockies - 7% aromatic	1,950	M	Review when results on hexane are in
H-774	APC High Boiling Hydrocarbon WOR	APC analog of H-601 West of Rockies - 8% aromatic	52	M	Review when results on hexane are in
H-775	APC VM & P Naphtha WOR	APC analog of H-257 West of Rockies - 11% aromatic	1,185	M	Review when results on hexane are in
H-778	APC Petroleum Naphtha WOR	APC analog of H-423 West of Rockies - 7% toluene	909	M	Review when results on hexane are in
H-780	APC Petroleum Naphtha WOR	Aliphatic hydrocarbon 4% toluene, 2% benzene	268	M	Review when results on hexane are in
H-789	APC Heavy Mineral Spirits WOR	APC analog of H-446 2% aromatic	0.64	M	Review when results on hexane are in
H-791	Methyl Methacrylate	25 ppm HQ	4,300	M	Review when results on H-428 are in
H-1	23A Specially Denatured Ethanol	10% acetone	455	L	
H-2*	Glycerine		3,530	M	High use
H-5	Silicate of Soda	Solution Na_2SiO_3 40% in water	45	L	
H-21	2-Nitropropane		17.3	M	Moderate use
H-104	Heavy Mineral Oil USP		0.3	L	
H-112	Dibutyl Phthalate (odorless)		283	M	High use
H-114	Santicizer #8	Mixture of o-p-toluene ethyl sulfonamides	2	L	
H-140	Flexol 4-G-O	Polyethylene glycol diethyl hexanoate	11.7	L	
H-173	Manganese Naphthenate Solution - 6% Mn	57% solids in mineral spirits	188	M	High use

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-182	Iron Naphthenate Solution	67% solids in mineral spirits	0.3	L	
H-185	Copper Naphthenate Solution	76% solids in mineral spirits	269	L	
H-186	2-Ethyl Hexyl Phthalate		28.9	L	
H-188	Dibasic Esters DBE	Mixed methyl esters of succinic, adipic and glutaric	1,760	M	High use
H-191	Dicyclohexyl Phthalate		82.1	L	
H-195	Light Mineral Oil		0.6	L	
H-263	Solvenol #2	High solvency terpene hydrocarbon (168-195°C)	21.6	L	
H-280	Cerrous Octoate	Salt of 2-ethyl hexanoate 48% in 2-ethyl hexanoic acid	0.06	L	
H-284	Ammonia 26°	Aqueous ammonia 29% NH_3	628	L	
H-310	Viscasil (100,000 cstks)	Organo siloxane	0.003	L	
H-311	Ammonia 21°	Aqueous ammonia 19% NH_3	38.2	L	
H-341	Igepal CO 710	Nonyl phenoxy polyoxy-ethylene ethanol	9.6	L	
H-349	Dodecyl Mercaptan		5.2	L	
H-361	Tetrahydrofuran		0.5	L	
H-365	Ethoquad 0/25	Polyethoxylated quarternary ammonium salt	1.03	L	
H-368	Diisodecyl Phthalate		92.0	L	
H-376	Silicone Emulsion	Poly (dimethyl siloxane) 35% in water	272	L	
H-380	Dow Corning Paint Additive #3	10% poly siloxane in toluene	2.3	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-383	Diethanolamine		5.1	L	
H-384	Benzyl Trimethyl Ammonium Hydroxide	40% in methanol	2.3	L	
H-387	Dibutyl Tin Dilaurate		0.2	L	
H-388	Triton CF 10	Liquid anhydrous aryl alkyl polyether	0.06	L	
H-390	Silicone Oil 10,000 cstks	Poly(dimethyl siloxane)	40.4	L	
H-394	Viscosil 30,000 cstks	Organosilicon oxide polymer	0.1	L	
H-395	Amberlac 165	Ammonium salt resin complex 21% in water	0.1	L	
H-407	Asphalt Solution	APC analog of H-535 Gilsonite & Asphalt 63% in petroleum spirits	7.8	M	Review when results on H-535 are in
H-422	Neodol 23	Do and tridecyl alcohol	5.6	L	
H-427	Silicone Fluid 50 cstks	Poly siloxane	0.3	L	
H-430	Sucrose Acetate Isobutyrate	With 10% ethyl alcohol	0.01	L	
H-431	Butyl Cyclohexyl Phthalate		62.2	L	
H-439	Acid Catalyst Solution	33.3% chloromaleic acid in MIBK	0.2	L	
H-449	2,4-Pentanedione	Acetyl acetone	9.6	L	
H-450	Alfol 1216	Synthetic lauryl alcohol	1.6	L	
H-451	Alamask 400A	Citronella type odorant	1.3	L	
H-456	Alumiprex #33	30% H_3PO_4, 50% H_2O butyl cellosolve and Tritox X-100	4.8	L	
H-459	Diethyl Phthalate		596	M	High use
H-464	Mineral Oil		14.2	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-466	M-466 Silicone	Amino functional silicone 50% mineral spirits	72.2	L	
H-468	Oil of Cedarwood	Steam distilled cedarwood oil	0.09	L	
H-470	Hexylene Glycol	2-methyl-2,4-pentanediol	24.9	L	
H-481	Tween 81	Polyoxy ethylene sorbitan mono-oleate	3	L	
H-502	Pine Oil	Cyclic terpene alcohols	171	L	
H-509	DC-742 Fluid	Silicone - glycol copolymer	0.05	L	
H-512	Monoethanol Amine		1.0	L	
H-526	Rubber Solution		0.5	L	
H-534	Triethanol Amine Commercial Grade		20.4	L	
H-535	Asphalt Solution	Gilsonite and Asphalt 63.5% in mineral spirits	179	M	Possible polyciphic aromatic content
H-538	Car Polish Additive EP 6349	Amino functional silicone	11	L	
H-541	Renex 30	Polyoxy ethylene ester of mixed fatty and rosin acids	1.7	L	
H-548	Silicone Fluid 1400 cstks	Poly siloxane	0.2	L	
H-550	Propylene Glycol	1,2-propanediol	2,180	M	High use
H-551	Dimethyl Formamide		44	L	
H-552	Niax A 99	Bis-dimethyl amino ethyl ether	0.2	L	
H-554	N,N-Dimethyl Dodecyl Amine		1.1	L	
H-555	Caprylic Acid		12.5	L	
H-557	Silicone Fluid SF 1023	Poly(methyl phenyl siloxane)	0.4	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-559	Silane A 187	Glycidoxy propyl trimethoxy silane	0.3	L	
H-565	Propylene Carbonate	4-methyl dioxalone-2	75	L	
H-566	Silane A 1111	N-bis(β-hydroxy ethyl) -amino propyl triethoxy silane	0.08	L	
H-574	Thermolite 31	Sulfur containing organotin	0.7	L	
H-575	Diallyl Phthalate		56.4	L	
H-578	Silicone Oil 5,000 cstks	Poly(dimethyl siloxane)	0.003	L	
H-580*	Butraldoxime		45.8	L	
H-584	Methyl Ethyl Ketoxime		50.2	L	
H-600	Silicone Fluid 1000 cstks	Poly(dimethyl siloxane)	14	L	
H-603	Isophorone	3,5,5-trimethyl-2-cyclohexene-1,one	173	M	Moderate volume
H-606	Propylene Oxide		0.3	L	
H-609	Nonionic Surfactant	Octyl phenol polyether glycol	822	L	
H-611	Alamask 102A	Terpene and aromatic aldehydes and ketones	0.5	L	
H-616	N,N-Dimethyl Ethanolamine		1.8	L	
H-631	Diethyl Amine		1.4	L	
H-641	Diethyl Ethanolamine		34.7	L	
H-646	Odorant	Oil blend - wintergreen	0.9	L	
H-651	Triton 770 Concentrate	Sodium alkyl aryl ether sulfonate 30% in propanol and water	0.8	L	
H-654	Butyl Benzyl Phthalate		885	M	High use
H-656	Emulphor EL 719	Polyoxyethylated vegetable oil - 97% in acetone	3.1	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-657	Tamol 731	Sodium polymeric poly-carboxylate 25% in water	1,212	L	
H-658	Polypropylene Glycol P-1200	Mol. Wt. 1200	80	L	
H-664	Potassium Silicate Solution	39% in water	23.6	L	
H-669	Triethyl Amine		6.8	L	
H-675	Neutral Oil SUS	Mineral oil	3.6	L	
H-687	Ammonia, Refrigera-tor Grade		14.2	L	
H-702	Boron Trifluoride Etherate		283	M	High use
H-708	1,4-Butanediol		1.0	L	
H-709	Sulfonic LF-7 Sur-factant	Aliphatic alcohol - alky-lene oxide adduct - ter-minated with hydrophobic group to prevent foaming	26.3	L	
H-711	Propylene Glycol		187	L	
H-713	Dimethyl Sebacate		2.3	L	
H-717	Polymerized Fatty Acid	75% dimer linoleum 25% trimer linoleum	2.1	L	
H-727*	Tamol 350	Sodium salt of polymeric carboxylic acid 30% in water	88.5	L	
H-743	Acetic Acid		1.3	L	
H-744	Distilled Primary Aliphatic Alcohol		3.5	L	
H-745	Alamask	Perfume	0.1	L	
H-746	Triton X-45	Octyl polyethoxy ethanol	108	L	
H-760	[illegible] Acetamide		4.5	L	
H-766	Aralkyl Polyether Alcohol	70% in water	86.2	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
H-776	Tert-Dodecyl Mercaptan		0.004	L	
H-781	Triton X-202	Sodium alkyl aryl polyether sulfonate	1.04	L	
H-783	Lithium Naphthenate	50% in water	0.2	L	
H-797	Liquid Car Wash Concentrate	Ammonium salt of alkyl benzene sulfonate 50% in water	548	L	

*Materials included in pilot list discussed in November.

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CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-4†	Magnesium Silicate Medium Consistency	∿9% Fibrous	3,470	H	High use - Similar to reported carcinogen, Under test by NCI
W-98	Magnesium Silicate Fine Particle Size	∿5% Fibrous	568	H	Same as above
W-109	Low Micron Talc		4,200	H	Same as above
W-132	Talc HO		551	H	Same as above
W-135	Low Micron Talc	99.97 through 325 sieve	1,632	H	Same as above
W-138	Micronized Talc	100% through 325 sieve	378	H	Same as above
W-1025	Micro Talc		29.5	H	Same as above
W-96	Asbestos Fiber	Canadian chrysotile	97.6	H	Under test by NCI
W-16*	Ti-Pure® FF	Untreated anatase TiO_2	975		
W-29*	Ti-Pure® R-931 (01)	Specially treated rutile TiO_2	8,128	L	
W-74*	Ti-Pure® 966 (08)	Rutile TiO_2 - specially treated	641	L	
W-93*†	Ti-Pure® R-100	Chloride process TiO_2	347	L	
W-123*	Ti-Pure® R-900	94% Rutile TiO_2	5,650	L	
W-131*	Ti-Pure® R-960 (08)	High surface treatment TiO_2	2,000	L	
W-185*	Ti-Pure® R-902	90% Rutile TiO_2	14,400	L	
W-300*	BON Red Dark	β-oxy naphthoic type maroon	66.4	M	Defer to Pigments Department
W-328*	BON Light RT-565-D	Mn salt of derivative of β-oxy naphthoic type	3.7	M	Same as above
W-331	Calcium Lithol Red 20-4620	Dark shade lithol red - calcium base	0.07	M	Review when results from Pigments Department are in
W-339	Lithol Toner Light	Barium lithol toner	0.09	M	Same as above
W-396*	Naphthanil Red Light RT-531-D	Azo pigment-dye - from β-oxy naphthoic acid	5.76	M	Defer to Pigments Department
W-606*	Dalamar Yellow Paste Y-W-811-P	36% Pigment	1.6	M	Same as above

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-612*	Green Gold YT-562-D	Nickel azo complex	40.8	M	Defer to Pigments Department
W-620*	Green Gold Aqueous Dispersion Y-W-61310	32% Pigment, 8% resin	19.3	M	Same as above
W-621*†	Dalamar Yellow YT-717-D	Azo pigment - dyestuff	47.2	M	Same as above
W-628*	Dalamar Yellow Y-W-731-P		0.63	M	Same as above
W-640*	YT-809 - Green Gold High Transparency		6.8	M	Same as above
W-644	Pyrazalone Orange	Tetrazo coupling product of dichloro benzidene and pyrozalone	0.72	M	Review when results from Pigments Department are in
W-646	X-48 Permanent Yellow Lead Free	Modified tolidine type	8.28	M	Same as above
H-648	Sunglow Yellow 1236	Azo yellow toner	11.7	M	Same as above
H-653*	Green Gold YT-714-D (High Transparency)	Nickel azo complex	7.64	M	Defer to Pigments Department
W-800	Dark Toluidine Red Dispersion	40% Pigment, 25% resin	82.8	M	Review when results from Pigments Department are in
W-820*	Newport Maroon RT 647-D	Metalized azo type maroon	0.7	M	Defer to Pigments Department
W-837	Dark Toluidine Red Dispersion APC	40% Pigment, 25% resin	22.4	M	Review when results from Pigments Department are in
W-849	Light Toluidine Red Dispersion APC	40% Pigment, 25% resin	30.4	M	Same as above
W-862	Light Toluidine Red Dispersion	40% Pigment, 25% resin	278	M	Same as above
W-865	Toluidine Toner Light	Nitro-p-toluidine pigment	13.8	M	Same as above
W-880*	Parachlor Red RT-427-D	Red azo pigment of chlorinated para-type	4.2	M	Defer to Pigments Department

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-349	High Oxide Red Lead 97%	Pb_3O_4	307	M	Compound of lead
W-603	Powdered Litharge	PbO	18.3	M	Compound of lead
W-618*	Krolor Orange Y KO-789-D	Coppt'd, $PbCrO_4$, $PbSO_4$, $PbMoO_4$	53.2	H	Defer to Pigments Department
W-622*	Molybdate Orange YE 63	Coppt'd, $PbCrO_4$, $PbSO_4$, $PbMoO_4$	374	H	Same as above
W-633*	Krolor Yellow K-4781-D	$PbCrO_4$ - High surface treatment	34.4	H	Same as above
W-652*	Red Toned Molybdate Orange	$PbCrO_4$, $PbSO_4$, $PbMoO_4$	392	H	Same as above
W-655*	Molybdate Red	$PbCrO_4$, $PbSO_4$, $PbMoO_4$	423	H	Same as above
W-665*	Krolor Orange RK 0786 D	$PbCrO_4$, $PbSO_4$, $PbMoO_4$ Silica coated	84	H	Same as above
W-666	Basic Lead Silico Chromate	47% PbO, 47% SiO_2, 5.4% CrO_3	2.2	H	Review when results from Pigments Department are in
W-679*	CP Chrome Yellow Light Y-433-D	58% $PbCrO_4$, 38% $PbSO_4$	187	H	Defer to Pigments Department
W-681*	Krolor Yellow Medium	$PbCrO_4$ surface treated	5.25	H	Same as above
W-686*	Chrome Yellow Medium	90% $PbCrO_4$	2,390	H	Same as above
W-687	Pre-darkened Chrome Yellow	$PbCrO_4$, $PbSO_4$	550	H	Review when results from Pigments Department are in
W-690*	Krolor Yellow Medium	Surface treated $PbCrO_4$	23.9	H	Defer to Pigments Department
W-692	Pre-darkened Chrome Yellow, Extra Clean	$PbCrO_4$, $PbSO_4$	99.5	H	Review when results from Pigments Department are in
W-698	Basic Lead Silico Chromate	$PbO/CrO_3/SiO_2$ 44/ 7 / 49	2.66	H	Same as above
W-381	Cadmium Red Deep	CdS + CdSe on $BaSO_4$	0.5	H	CdS reported carcinogen - Under test by NCI
W-382	Cadmium Red Medium	CdS + CdSe on $BaSO_4$	1.67	H	Same as above
W-383	Cadmium Red Light	CdS + CdSe on $BaSO_4$	2.14	H	Same as above

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-384	Cadmium Red Medium-Light	CdS + CdSe on $BaSO_4$	5.13	H	CdS reported carcinogen - Under test by NCI
W-638	Lemon Cadmium Yellow	CdS, ZnS, $BaSO_4$	3.27	H	Same as above
W-52	Antimony Oxide	99% Sb_2O_3	7.2	H	Compound of antimony
W-236	Jet Black #1	Mixture oxide Cu + Cr	0.13	M	Chromium oxide reported carcinogen - Under test by NCI
W-538	Blue #13	Cobalt, titanium, inorganic pigment	1.4	M	Cobalt oxide reported neoplastic
W-608	Sun Yellow N	Calcined nickel and titanium oxide, 14% Sb_2O_3	33.0	H	Nickel oxide reported carcinogen - Nickel titanate under test by NCI
W-609*	CP Zinc Yellow X-539-D	$ZnCrO_4$ (∿44% CrO_3)	1,252	H	Insoluble chromate
W-625	Basic Zinc Chromate		50	H	Insoluble chromate
W-629	Titanium Golden	Oxides of Ni, Ti, Sb	15.4	H	Nickel oxide reported carcinogen - Nickel titanate under test by NCI
W-636	Strontium Chromate N-2865		6.71	H	Insoluble chromate, $CaCrO_4$ reported carcinogen; $CaCrO_4$ under test by NCI
W-649	Strontium Yellow X-2974 L-11	$SrCrO_4$	10.6	H	Same as above
W-694	Titanium Yellow	Calcined oxide Ti, Ni, Sb	90.5	H	NiO reported carcinogen - Nickel titanate under test by NCI
W-754	Chromium Oxide Light	Cr_2O_3	135	H	Chromium oxide reported neoplastic
W-536	Cobalt Blue	Aluminum and cobalt oxides	2.1	M	Cobalt oxide reported neoplastic
W-31	Crystalline Silica	SiO_2	414	M	Silica reported neoplastic - Under test by NCI
W-44	Celite 110	Coarse diatomaceus earth	3.75	M	Same as above
W-62	Amorphous Silica		0.45	M	Same as above
W-114	Cab-O-Sil M-7-D	Colloidal SiO_2	0.09	M	Same as above
W-139	Amorphous Silica		208	M	Same as above

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-165†	Celite 266	Diatamaceous earth	979	M	Silica reported neoplastic - Under test by NCI
W-176	Colloidal Silica	Fumed silica	46.2	M	Same as above
W-190	Hi-Sil H-22	Ppt'd, SiO_2 - 5μ avgerage size	1.77	M	Same as above
W-1011	Celite 375	Diatamceous earth	229	M	Same as above
W-1021	Super Fine Super Floss	Fine diatamaceous earth	175	M	Same as above
W-1022	Colloidal Silica	SiO_2 - .02μ	134.5	M	Same as above
W-1028	Novacite L-207A Silica	<10μ - SiO_2	0.64	M	Same as above
W-201	Carbon Black Beads Medium High Color	Channel black	3.29	L	
W-205	Lamp Black	97% Carbon	4.43	L	
W-217	Neo-Spectra Beads	Channel black	0.6	L	
W-222†	Low Color Furnace Black	Oil type carbon black	170	M	Review when position on furnace blacks is established
W-223	Carbon Black Powder Medium High Color	Channel black	9.6	L	
W-224	Carbon Black Pellets	Channel black	374	L	
W-225	Pelletized Furnace Black	Furnace black	34.1	M	Review when position on furnace blacks is established
W-226	High Color Channel Black		44	L	
W-230	Mineral Black	75% Carbon	16.5	L	
W-235	Mineral Black	Natural carbon black 75% Carbon	0.2	L	
W-243	Carbon Black Powder	Channel black	90.8	L	
W-247	Lamp Black Aqueous Paste	53% Furnace black in water	44	M	Review when position on furnace blacks is established
W-253*	Peptized Carbon Black	Aluminum benzoate lake of channel black	53.9	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-259	High Color 607 Black	Channel Black	74.8	L	
W-279	Jet Carbon Black Lake	Channel Black 50% aluminum benzoate lake	6.9	L	
W-286	Carbon Black Pellets		11.4	M	Reclassify when position on furnace blacks is established
W-287	Sterling 10R Carbon Black	Furnace black	2.8	M	Same as above
W-297	Carbon Black Pellets	Channel black	15	L	
W-1	China Clay	Hydrated aluminum silicate	55.5	L	
W-88	Water Ground Mica	Potassium aluminum silicate	2,024	L	
W-182	Zircopax	Zirconium silicate	1.75	L	
W-189	Aluminum Silicate Extender ASP-170	Aluminum silicate	551	L	
W-193	Kapolite SF-0 Abrasive	Anhydrous aluminum silicate	1.2	L	
W-1002	Aluminum Silicate	Hydrous aluminum silicate	460	L	
W-1008	Aluminum Silicate	Hydrous aluminum silicate	5,630	L	
W-1012	Colloidal Magnesium Aluminum Silicate		4.5	L	
W-1014	Calcined Clay	Aluminum silicate	461	L	
W-190	Gilders Whiting	Coarse particle size $CaCO_3$	2,840	L	
W-177	Purecal-O	Ppt'd, $CaCO_3$	6.6	L	
W-195	Fine Particle Size Calcium Carbonate	$CaCO_3$ <325 mesh	75.8	L	
W-12	Low Micron Barytes	$BaSO_4$	1,624	L	
W-34	Barytes	$BaSO_4$	1,300	L	
W-104	Barytes - Off Color	$BaSO_4$ - Slight Fe_2O_3	496	L	
W-120	Low Micron Unbleached Barytes	$BaSO_4$ - Slight Trace Fe_2O_3	200	L	
W-125	Blanc Fixé	$BaSO_4$	2.5	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-1004	Calcium Carbonate		2,770	L	
W-1005	Calcium Carbonate		273	L	
W-250	Black Iron Oxide BN-4498 VVF	Finely ground magnetite	87.8	L	
W-215	Black Iron Oxide	98% Fe_3O_4	3.28	L	
W-355	Precipitated Iron Oxide Dark Maroon	95% Fe_2O_3	245	L	
W-362	Precipitated Iron Oxide Light Shade	95% Fe_2O_3	301	L	
W-366	Red Iron Oxide	99% Fe_2O_3	14.8	L	
W-369	Red Iron Oxide	80% Fe_2O_3, 20% siliceous material	147	L	
W-377	Burnt Sienna	54% Fe_2O_3 + silicates	124.5	L	
W-392	Precipitated Iron Oxide Medium Red Shade	95% Fe_2O_3	464	L	
W-400	Red Shade Transparent Iron Oxide Dispersion	Transparent red oxide in thermoset acrylic	73	L	
W-403	Refined Gold Paste F-5858	Hydrous iron oxide in alkyd vehicle	0.02	L	
W-404	Metallic Brown	78% Fe_2O_3 + silicates	68.5	L	
W-409	Hover Brown #5682	Brown iron oxide	0.5	L	
W-419	Turkey Burnt Umber	45% Fe_2O_3 + MnO_2 + silicates	29.2	L	
W-420	Raw Umber	45% Fe_2O_3 + MnO_2 + silicates	0.3	L	
W-424	Midas Gold RL-2344	30% Hydrous iron oxide in xylene	121	L	
W-428	Raw Sienna VVF	70% Fe_2O_3 + silicates	0.1	L	
W-429	Burnt Umber VVF	53% Fe_2O_3, MnO_2, SiO_2, + $CaCO_3$	2.4	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-430	Transoxide Red	Transparent iron oxide 94% Fe_2O_3	15.1	L	
W-437	#19 Brown	Oxides of Fe, Al, Ti	139	L	
W-438	Flushed Hydrous Iron Oxide Dispersion	32% Fe_2O_3	24	L	
W-439	Transparent Red Oxide Flushing	15% Fe_2O_3	64.7	L	
W-448	Transparent Red Oxide Dispersion	14% Fe_2O_3	14.4	L	
W-454	Ferric Hydrate Dispersion		0.01	L	
W-460†	Transparent Red Oxide Chip	40% Fe_2O_3 in CAB	280	L	
W-462	Ferric Hydrate Dispersion		2.6	L	
W-464	Transparent Red Oxide Dispersion	15% Fe_2O_3	87.1	L	
W-466	Flushed Transparent Red Oxide		2.6	L	
W-467	Midas Gold Dispersion	40% Fe_2O_3	2.21	L	
W-484	Transparent Red Oxide	Fe_2O_3	1.5	L	
W-619	Transparent Yellow Oxide Flushing	16% Fe_2O_3	28	L	
W-624	Ferrite Yellow Lemon Shade	85% Fe_2O_3	5.6	L	
W-630	Ferrite Yellow Orange	Ferric hydroxide Fe_2O_3	1,362	L	
W-641	Transparent Oxide Dispersion	14% Fe_2O_3	27.8	L	
W-642	Yellow Shade Transparent Iron Oxide Dispersion	20% Fe_2O_3	81.6	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-654	Low Opacity Ferrite Yellow	86.5% Fe_2O_3	14.2	L	
W-663	Transparent Yellow Oxide	35% Fe_2O_3	10.2	L	
W-682	Transparent Yellow Oxide	83% Fe_2O_3	58.4	L	
W-688	Transparent Yellow Oxide Dispersion	15% Fe_2O_3	33.2	L	
W-833	Primer Iron Oxide	97% Fe_2O_3	166.8	L	
W-834	Low Opacity Red Iron Oxide		0.2	L	
W-847	Pure Red Iron Oxide	99% Fe_2O_3	2.8	L	
W-870	Primer Iron Oxide	94% Fe_2O_3	1,204	L	
W-878	Primer Iron Oxide	83% Fe_2O_3	47.2	L	
W-21†	Aluminum Paste Medium Coarse	65% Aluminum in APC solvent	56.3	L	
W-25	Special Aluminum Paste	67% Aluminum in APC solvent	8.8	L	
W-64	Aluminum Paste Medium Coarse	65% Aluminum	66	L	
W-72	Special Aluminum Paste	65% Aluminum extra fine	5.1	L	
W-76	Acid Spot Resistant Aluminum Paste	65% Aluminum	0.4	L	
W-80	Non-Leafing Coarse Particle Size Aluminum Paste	65% Aluminum and solvent	0.4	L	
W-81	Aluminum Paste Chrome Type	74% Aluminum-chrome finish	2.9	L	
W-82	#1593 Aluminum Paste	65% Aluminum in HC solvent	15.7	L	
W-89	Coarse Bright Aluminum Paste	Non-leafing coarse aluminum 60%	12.2	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-92	Medium Coarse Bright Aluminum Paste	60% Aluminum	1.1	L	
W-101	Medium Coarse Particle Size Aluminum Paste	65% Aluminum	9.6	L	
W-105	Non-Leafing Fine Particle Size Aluminum Paste	65% Aluminum	2.2	L	
W-106	Extra Coarse Bright Aluminum Paste	60% Very coarse aluminum	7.6	L	
W-107	Coarse Particle Size Aluminum Paste	65% Coarse aluminum	57.2	L	
W-110	Medium Particle Size Aluminum Paste	65% Medium size aluminum	1.0	L	
W-111	Non-Leafing Coarse Particle Size Aluminum	67% Aluminum	0.2	L	
W-112	Non-Leafing Coarse Particle Size Aluminum Paste	66% Aluminum	17.3	L	
W-116	Acid Spot Resistant Coarse Aluminum Flake	65% Aluminum	12.4	L	
W-121	Non-Leafing Medium Particle Size Aluminum Paste	65% Aluminum	21.2	L	
W-127	Chemical Spot Resistant Aluminum Paste	65% Aluminum	4.92	L	
W-128	Coarse Particle Size Aluminum Paste	65% Aluminum	0.3	L	
W-133	Acid Spot Resistant Medium Aluminum Paste	65% ALuminum	91	L	
W-152	Medium Coarse Particle Aluminum Paste	65% Aluminum	36.1	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-153	Acid Spot Resistant Aluminum Tinting Paste	65% Aluminum	2.36	L	
W-156	Bright Medium Aluminum Paste	64% Aluminum	2	L	
W-159	Medium Coarse Bright Aluminum Paste	63% Aluminum	13.8	L	
W-161	Acid Spot Resistant Medium Aluminum Flake	65% Aluminum	25.2	L	
W-168	Medium Coarse Bright Aluminum Paste	62% Aluminum	0.2	L	
W-181	Non-Leafing Medium Particle Size Aluminum Paste	65% Aluminum	63.5	L	
W-8	American Process Zinc Oxide	Acicular ZnO	269	L	
W-10	Fine Particle Size Zinc Oxide		67	L	
W-41	Zinc Oxide Medium Consistency		71.7	L	
W-65	Zinc Oxide	Medium low consistency	48.8	L	
W-75	Kalox 15	French process zinc oxide	0.12	L	
W-148	Zinc Oxide Medium Consistency		227	L	
W-393*†	Monastral Maroon RT-792-D	Organic red toner quinacridone type	7.44	M	Defer to Pigments Department
W-399*†	Monastral Red B Paste RW-768-D	15% Quinacridone pigment	49.1	M	Same as above
W-623*	Deep Gold YT-812-D	Quinacridone type toner	17.9	M	Same as above
W-691*	Monastral Gold YT-693-D	Quinacridone yellow	2.48	M	Same as above
W-811*	Monastral Red YRT 7590	Quinacridone type red	36.5	M	Same as above

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-816*	Monastral Maroon BRT 8490	Quinacridone red toner	0.4	M	Defer to Pigments Department
W-818*	Monastral Violet RT-795	Quinacridone type pigment	28.9	M	Same as above
W-819*	Monastral RT-796-D	Quinacridone red toner	20.7	M	Same as above
W-830*	Monastral Scarlet RT-787-D	Quinacridone red toner	0.07	M	Same as above
W-835	Flushed Quinacridone Maroon	15% Quinacridone pigment	2.0	M	Review when results from Pigments Department are in
W-839*	Monastral Violet RT-887-D	Quinacridone red	14.0	M	Defer to Pigments Department
W-844*	Monastral Magenta RT-203-D	Quinacridone magenta toner	37.3	M	Same as above
W-845*	Monastral Violet RT-209-D	Quinacridone red toner	6.52	M	Same as above
W-890*	Monastral Red RT-218-D	Transparent quinacridone red toner	14.6	M	Same as above
W-505*	Monastral Blue BBT	Red phthalocyanine blue	66.9	M	Same as above
W-527	Ramapo Blue FR BP-366-D	A resinated phthalocyanine blue lake	4.1	M	Review when results from Pigments Department are in
W-530*	Monastral Blue BBW-431-P	Phthalocyanine blue lake 40% solids in water	24	M	Same as above
W-537*	Monastral Blue BT-425-D	Phthalocyanine blue	12.2	M	Same as above
W-550*	Monastral Blue G BT-383-D	Crystal - stable phthalocyanine blue	9.5	M	Same as above
W-511*†	Monastral Blue BF-282-D	46% Phthalocyanine blue aluminum benzoate lake	25.6	M	Same as above
W-552*	Monastral Blue GF BT-417-D	Phthalocyanine blue toner	8.12	M	Same as above
W-555	Flushed Phthalo Blue Lake	10.6% Phthalocyanine blue lake	26.9	M	Review when results from Pigments Department are in

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
	Phthalocyanine Blue Lake Green Shade	50% Pigment on aluminum benzoate	7.6	M	Review when results from Pigments Department are in
W-558*	Monastral Blue RF BT-427-D	Crystal stable phthalocyanine blue	2.14	M	Defer to Pigments Department
W-560	Phthalocyanine Blue	Phthalocyanine blue toner	24	M	Review when results from Pigments Department are in
W-576	Phthalocyanine Red Shade Blue Lake	Phthalocyanine blue - 50% or aluminum benzoate	5.4	M	Same as above
W-577*	Monastral Blue BT-413-D	Phthalocyanine blue	5.2	M	Defer to Pigments Department
W-728*	Monastral Green Paste GW-74--P	23% Phthalocyanine in water	56	M	Same as above
W-750*	Monastral Green Paste GL-761-D	Aluminum benzoate lake of copper phthalocyanine	14.4	M	Same as above
W-752	Phthalo-Green-Extra Yellow	Phthalocyanine green toner 4.3% Cu	6.0	M	Review when results from Pigments Department are in
W-764*	Monastral Green Y6-T-805-D	Phthalocyanine green	37.7	M	Defer to Pigments Department
W-765*	Monastral Green GT-751-D	Phthalocyanine green toner	19.6	M	Same as above
W-785*†	Monastral Green GT-674-D	Phthalocyanine green toner	56	M	Same as above
W-312	Thio Fast Red	Thio indigo maroon pigment	48	M	Moderate volume
W-804	Thio Fast Red Lake	Thio indigo pigment on aluminum hydrate	14.7	M	Same as above
W-807	Indo Brilliant Scarlet Toner R-6500	Vat perylene pigment type	1.26	M	Structural similarity to polycyclic aromatic
W-829	Perindo Maroon Deep	Perylene type pigment	48.7	M	Same as above
W-850	Perindo Maroon R-6422	Perylene type pigment	19.0	M	Same as above
W-6	Calcium Sulfate	$CaSO_4 \cdot 2H_2O$	23.2	L	
W-13	Lithopone Medium Consistency	$ZnS/BaSO_4$	5.9	L	

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-14	Powdered Borax	$Na_2B_4O_7 \cdot 10\ H_2O$	0.02	L	
W-35	Sodium Bicarbonate	$NaHCO_3$	1.08	L	
W-36	Zinc Dust	98% through 325 mesh	69	L	
W-115*	Film Fortifier 113D	Iron pyrophosphate	25.6	L	
W-137	Duragold Bronze Powder	Cu/Zn alloy	0.2	L	
W-149	Duragold Bronze Powder	Cu/Zn alloy	0.04	L	
W-155	Bentonite Dust	Hydrous aluminum silicate	16.6	L	
W-160*	Pearl "Afflair" Flake Pigment 146-D	Mica coated with TiO_2	0.96	L	
W-174*	Gold "Afflair" Pigment NF-148-D	Mica coated with TiO_2	0.4	L	
W-175	Bentone 27	Organic magnesium montmorillonite	6.65	L	
W-178†	Busan-11-M-1	Modified barium metaborate	240	L	
W-183	Bentone 38	Organo derivite of magnesium montmorillonite	126	L	
W-197	Calcined Alumina	99% Al_2O_3	24.8	L	
W-284	Bone Black 15%	15% Carbon, 85% calcium phosphate	6.31	L	
W-241	Aquadag	22% Colloidal graphite in water	0.44	L	
W-289	Darco S-51	High purity neutral activated charcoal	14.4	L	
W-416	Cuprous Oxide		8.4	L	
W-501	Mineral Violet	Manganese ammonium phosphate	3.6	L	
W-514	Ultramarine Blue	Aluminum-silicate doped with Na^+ and $S^=$	15.1	L	
W-559	Indofast Violet Toner	Dioxazine carbazole toner	3.15	M	Structural similarity to polycyclic aromatic

CODE	TITLE	CHEMICAL DESCRIPTION	ANNUAL CONSUMPTION M LBS./YEAR	PRIORITY	RATIONALE FOR ASSIGNMENT AND COMMENTS
W-582	Iron Blue	Ferric ferrocyanide	99.7	L	
W-588*	Indanthrone Blue Lake	72% Lithisol blue	5.2	L	
W-589	Indofast Violet Lake	40% Dioxazine carbozole	3.4	M	Structurally similar to polyaromatic
W-631	Irgazine Yellow Dispersion	40% Tetrachloro indolene yellow pigment	13.2	M	Review if use increases
W-658	Orange Toner	Brominated anthanthrone	6.93	L	
W-664	Indofast Yellow Greenish Toner	Anthraquinone vat yellow pigment	0.2	L	
W-672	Indofast Yellow Toner	Flavanthrone organic toner		L	
W-673	Irgazine Yellow 3RLT Washed	Tetrachloro indolene yellow pigment	29.1	M	Review if use increases
W-689	Indo Orange Yellowish UV-5882	Imidazole orange	0.7	M	Review when results on azo-pigments in
W-860	Indofast Double Scarlet R-6430	Halogenated pyanthrone pigment	0.64	L	
W-1003	Bentone 34	Hydrous aluminum silicate	117.5	L	
W-1004	Ground Rice Hulls	Fibrous waste rice hulls	19.3	L	
W-1013	Duragold Bronze Powder DG-1099-D	Cu/Zn alloy	3.3	L	

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†On November 3, 1974, list.

*Du Pont Pigment Product

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Retyped 2/24/75