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SAND78-1082
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DR. 236

Product Identification File

Charles E. Gray, Editor

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PRODUCT IDENTIFICATION FILE

Compiled and Edited by Charles E. Gray
Environmental Health Laboratory, 3311

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Environmental Health Department, 3310
Sandia Laboratories
Albuquerque, New Mexico 87185

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PREFACE

The Product Identification File has been compiled and edited by Charles E. Gray, 3311 Chemistry Laboratory, as an aid to the industrial hygienist who may encounter the products listed in surveys for and studies of occupational health hazards.

It should be remembered that the chemical composition of a product may vary from year to year and some components may be added or deleted without an indication on the label. Some of the data in this file may not be complete depending upon the analysis requested. For example, a solvent may be the only component for which the product was analyzed.

This file is arranged by listing the chemical manufacturer followed by the trade name. In cases where no manufacturer is known, the trade name appears in alphabetical order.

The log number and the chemist who analyzed the product are listed for reference by the Chemistry Laboratory.

OTHER SOURCES FOR DATA ON TRADE NAME PRODUCTS

Reference sources are listed below. Those references preceded by an asterisk list some chemical component data. The other references give trade names and addresses of manufacturers.

American Man-Made Fiber Trade Names. Mod. Textiles Mag. 45:54 (Mag. 1964).

*Chemical Toxicology of Commercial Products, 4th Edition, Marion N. Gleason, et al., Williams and Wilkins Co., Baltimore, Maryland, 1976.

*Chemical Trade Names and Commercial Synonyms, William Haynes, D. Van Nostrand Co., New York, New York, 1951.

*Chemical Synonyms and Trade Names, William Gardner, et al., CRC Press, Cleveland, Ohio, 1968.

Condensed Review of Some Recently Developed Materials; Arranged by Trade Names. Mach. 70:123 (Oct. 1963).

Conover-Mast Purchasing Directory, 205 E. 42nd St., New York 17, New York.

*Directory of Chemicals and Producers, Wallace F. Traendly, and Thomas L. Bonnett (Editors). McGraw-Hill Publishing Co., 330 W. 42nd St., New York 18, New York, 1952.

Electrical Products Guide; Company and Trade Names. Elec. Constr. & Maint. 60:43 (Mid-Sept. 1961).

1964 Equipment Directory; Trade Names. Mod. Materials Handling, 19:71 (May 1964).

Guide to Tool Steels and Carbides. Steel 148:99 (May 15, 1961).

*Handbook of Material Trade Names, O. T. Zimmerman and Irvin Lavine (1946, 1953). Sup. I 1956; Sup. II 1957; Sup. III 1960. Industrial Research Services, Inc., Dover, New Hampshire.

*Handbook of Plastics. Herbert R. Simonds and Carleton Ellis. D. Van Nostrand Co., Inc., New York, 1943.

*Handbook of Solvents. Jacob Schefflan. D. Van Nostrand, Co., Inc., New York, 1953.

MacRae's Blue Book (annual). Trade Names Section, MacRae's Blue Book Co., 18 E. Huron St., Chicago 11, Illinois.

Materials Handling and Packaging Directory; Trade Names. Mod. Materials Handling 18:69 (May 1963).

*The Merck Index, 9th Edition, Merck & Co., Rahway, New Jersey, 1976.

Modern Plastics Encyclopedia Issue (annual). Plastics Catalogue Corp., Emmet St., Briston, Connecticut.

*Paint Trademark Directory (triennially). Trademark Bureau, Nat. Paint, Varnish and Lacquer Association, Inc., 1500 Rhode Island Avenue, N.W., Washington 5, D.C.

*Pesticide Index, D. E. H. Frear, College Science Publishers, P. O. Box 798, State College, Pa., 1961.

Plastics World Contemporary Film and Sheeting. Property and Price Chart; List of Trade Names. Plastics World 19:46 (Apr. 1961).

*Sadtler Standard IR Commercial Spectra, Sadtler Research Laboratories, Inc., Philadelphia, PA, 1974.

Textile World Fact File; Trade Name Index. Textile World 111:315 (Mid-July 1961).

Trade Names of Cosmetic Materials by Product Classification. Am. Perfumer and Aromatics, Documentary Ed., p. 271 (1960).

Trade Names; Processes, Equipment and Materials Used in the Water Supply and Treatment and their manufacture. Water Works Eng. 116:406 (May 1963).

*Trade Names Index, Chem. Eng. 69:223 (Nov. 1962).

Trade Name Index; Welding Tools and Supplies. Welding Eng. 48:124 (Mid-year 1963).

Trade Name Index; Products in or Related to the Field of Electronics. Electronics 36:175 (July 25, 1963).

*Trade Names Index; published by the American Conference of Governmental Industrial Hygienists, 1964.

*Trade Names Index; published by the American Conference of Governmental Industrial Hygienists, Supplement No. 1, 1966.

*Trade Names Index; published by the American Conference of Governmental Industrial Hygienists, Supplement No. 2, 1968.

Two other sources for information on chemical composition of trade name products are: (1) Scientific Reference Services Branch, Division of

Occupational Injury and Disease Control, Bureau of Occupational Safety and Health, Environmental Control Administration, Consumer Protection and Environmental Health Service, 1014 Broadway, Cincinnati, Ohio 45202 (513:684-2963), and (2) Poison Control Centers of State, local health departments or major universities.

ACKNOWLEDGEMENTS

Acknowledgement is made of the assistance of various chemists in the Environmental Health Chemistry Laboratory during the last ten years; namely, Messrs. Lial W. Brewer, Wayne Einfeld, Grover Edwards, John Grillo and Ms. Ednarae Gross. Recognition is hereby given to the work of Susan Kissam for her untiring efforts in performing much of the clerical work and typing for this Product Identification File.

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Accelerator 808
Contains butyraldehydebtylamine

Acrylate Solvent
Contains ethylene glycol monoethyl ether and
a mixture of xylenes. Log #761107
CEG

Addressograph Multigraph Corp., East Hanover, NJ
Varityper 3020 Developer Log #750317
CEG
Contains borax or boric acid, sodium sulfite or
bisulfite, hydroquinone; pH of 1% solution = 8.8.

Addressograph Multigraph Corp., East Hanover, NJ
Varityper 3025 Fixer Log #750318
CEG
Mixture of boric acid, sodium aluminum sulfate
and sodium thiosulfate; pH = 7.3.

Addressograph Multigraph Corp., East Hanover, NJ
Varityper 3225 Tank Cleaner Log #750319
CEG
pH < 1; sodium chromate or dichromate in dilute
sulfuric acid.

Adheron Epoxy Emulsion Coating Log #700922
CEG
Emulsion is white pigmented low mol. wt. epoxy
resin. (No unsaturation remaining.) Only volatile
solvents are water and C₅ - C₁₀ st. chain hydro-
carbons. Main solvent (> 90%) is water. Curing
agent is a planer secondary polyamide with no
volatile organic solvents. In mixed form a copolymer
(epoxy-polyamide) is formed.

Adsorbite
Activated charcoal.

Aero-Carb E
Heat treating salts. Contains sodium cyanide.

Aero-Heat 300
A mixture of sodium and potassium nitrates and
nitrites. For heat treating metal.

Age Rite Gel
Octylated diphenylamine

Age Rite Hypar
Phenyl beta naphthylamine

Age Rite Powder
Phenyl B-naphthyl amine

Age Rite Resin
Aldol naphthylamine

Age Rite Resin D
Trimethyl dihydroquinoline

Age Rite Stalite
Octylated diphenylamine mixture

Age Rite Superflex
Diphenylamine acetone

Aircosil
Silver Brazing Alloy
#45 23.3% Cd (TNI 23 - 25%)

Log #660532
JPG

Akroflex C
Phenyl alpha naphthylamine

Albi Manufacturing Corp., Rockville, CT
Albi-144 Fire & Heat Retardant Coating
Contains alkyd resin. Solvents are aliphatic hydrocarbons. Also contains unreacted phthalic anhydride in the solvent. Contains urea phosphate and possibly some ammonium phosphate as the fire retardant. (Bubbles are formed when heated.)

Log #770732
CEG

Albi Manufacturing Corp., Rockville, CT
Fire Protection Coating #160B Trowel Grade
Solvent is water. Glass fibers present.
P, Si, B, Mg, Ti, Na, Al, Ca, Fe present.

Log #772595
CEG

Albi Manufacturing Corp., Rockville, CT
Albi-R Fire Resistant Paint
Contains formaldehyde

Albuquerque Duplicator Supply, Albuquerque, NM
Imperial Duplicator Fluid
CH₃OH. Direct process spirit type high methyl alcohol content equivalent to Type II Fed. Spec. O.D-825. $n_D = 1.3325$ (18); flash point 49°F OC; TLV 200 ppm; mg/m³; 20°-70°F flammability.

Log #670251
LWB

Alcohol, Denatured, Toxic
Toxic - see methyl alcohol, as issued from General Stores (2-1-62); 4 gal. methyl isobutyl ketone; 1 gal kerosene; 1100 gal. 190 proof ethyl alcohol.

Aliquat 215
Dioleoyl-linoleyl dimethyl ammonium chloride.

All Safe Waterless Handcleaner Deodorized kerosene plus lanolin and silicone	Log #661577 LWB
Allstate Solder #105 98% Cd (TNI 95%)	Log #660574 EG
Allstate 430 Flux < 0.05% Cd. Strongly acidic aluminum and alkali metal chlorides. ZnCl_2 - NH_4Cl , CH_3OH , ethylene glycol.	Log #661527 & 650341 JPG
Almag Cutting Oil A petroleum based light oil. Flash point 295°F OC; 628 mm/Hg.	Log #650233 LWB
Almandite Ferric aluminum silicate used by Org. 1113.	12/15/64
Alpenco Lens Cleaner & Anti-Fogging Liquid Flash point 74°F at 625.95 mm/Hg.	7/8/64
Altax Benzothiazyl disulfide	
Aluminate Abrasive #1 50.3% free silica + Al_2O_3 of 27 μ size. (The purity is questionable.)	Log #660206
Aluminon Ammonium salt of aurix tricarboxylic acid. Aluminum detection and estimations.	
Alumon A zincate powder, proprietary product. Used to make a solution for coating aluminum with a zinc finish prior to electroplating other metals on the aluminum.	
American Cyanamid Aero-Seal #52 43% polyethylene O-phthalate resin. Balance is H_2O . (Water emulsion)	Log #680546 JPG
American Lumber & Treating Co. Wolmanized Lumber Contains dinitrophenol. Preservative poisonous when taken internally; may cause dermatitis to sensitive people.	

Aminox
Diphenylamine acetone.

Ampex Head Assembly Cleaner
Xylene

Analabs 3/18/64
Anakrom
Gas chromatograph column filler (J. Hesse, Org. 5135).

Apeco Auto-Stat 1-Step Concentrate 5/11/64 & 5/26/64
Boiled at 200°F, 626.65 mm/Hg without flashing.
Boiled at 185°F, 625.65 mm/Hg without flashing,
5/26/64.

Arcal Log #673374
Arcal Weld-O Aluminum Brightener JPG/EG
6.0% HF, 10% alkyl aryl polyglycol ether, balance
H₂O.

Armstrong Log #701285
Armstrong Epoxy Stripper #44 CEG
Stripper is trichloroacetic acid in a saturated
chlorinated hydrocarbon solvent (possibly
dichloroethane). Small amount of water. pH of
1% soln. = 2.4.

Armstrong
Armstrong Stripper
Methylene chloride plus some phenol. 4/7/64, ref.
N. J. DeLollis, 1112-2.

Armstrong Cork, Lancaster, PA Log #630323
Armstrong Cement S-1200 TAL
Cement solvent contains acetone and petroleum
ether plus some minor other aliphatic organics.
No aromatic or chlorinated solvent present.

Armstrong Cork, Lancaster, PA
Armstrong E Activator
DEAPA-3-diethylaminopropylamine

Armstrong Products Co., Warsaw, IN Log #680406
Armstrong Stripper #49 JPG
83.4% methylene chloride, 14.1% acetic acid,
2.5% sodium acetate.

Athea Laboratories, Milwaukee, WI Log #762394
Athea Hand Lotion CEG
Contains petroleum, lanolin, veg. oil, stearic
acid, hexadecanol and propylene glycol. 4%
H₂O, pH = 7.0.

AYA Blends

Bakelite polyvinyl acetate polymers, emulsified in H₂O. One of few water soluble adhesives. Harmless, is used in food wrappings and adhesives such as Elmer's glue.

Azograph Duplicating Fluid

Pure methanol; flash point 47°F.

Azrock Cut-Back Adhesive

Flash point 49°F CC, MC.

12/21/62

Baker Chemical Co. K.P.R. Stripper 85% CH_2Cl_2 (methylene chloride); 10% toluene ($\text{C}_6\text{H}_5\text{CH}_3$); 5% unknown - probably a wetting agent.	Log #670208 JPG
Ball Powder Double Base See nitrocellulose and nitroglycerin.	
Baratol See trinitrotoluene and barium nitrate.	
Bayflex Wheels Cotton fibers, abrasives, phenolic resin, neoprene, latex and casein. The abrasive used is aluminum oxide (Al_2O_3) (man-made).	
Beck Chemical Co., Cleveland, OH Epoxy Strip Type T-2S1-C Contains a mixture of cresols or phenols, chloroacetic acid and formic acid.	Log #730706 CEG
Bell & Howell HC-300 Etchant Contains Fe and Cr and H_2SO_4 ; pH of conc. solution < 0.1.	Log #710734 CEG
Bestline Co. Zif All Purpose Cleaner Major component is water. Minor components are iso-propyl alcohol, ammonia and an anionic surfactant. pH = 10.	Log #741004 CEG
Best Products, Inc. "Zif" Cleaner $\approx$ 9-12% alkyl aryl sulphonic acid; $\approx$ 4% diethanolamine; $\approx$ 12% phosphates; $\approx$ 4% silicates; and 70% H_2O . pH = 9.5.	Log #722742 CEG
BFC Vinyl Thinner (Beta Cote) 100% N-butyl acetate (commercial grade).	Log #661502 LWB
Bison - 1700 Lubricant pH = 6.9	Log #630062 TAL

Blair Art Products, Memphis, TN

Log #762060

Blair Spray Fix

CEG

Contains 2% methyl alcohol; 3% ethyl alcohol;
15% acetone; 13% methyl acetate; 12% methylene
chloride; 30% MEK; 7% butyl alcohol; 18% butyl
acetate.

Blanket and Roller Wash

4/18/74

50% tetrachloroethylene and 50% petroleum
distillate (aliphatic HC). Flash point
110°F OC, 78°F CC.

Blanket Roller Wash #595458

Log #740670

Contains 50% perchloroethylene, 50% aliphatic
hydrocarbon.

CEG

Blankrola

3% rosin oil and 97% coal tar naptha. (This
product now contains some perchloroethylene -
4/17/70 - D. Parker.)

Borax Co.

Log #760880

Borax Hand Soap #221

CEG

Contains B, Si, Na; pH = 8.

BPI Print Flattening Solution

Boiling point 175°F, 627 mm/Hg without flashing.

Andrew Brown Co.

Log #680980

Brolite Synflex H-22 Clear Baking Enamel

JPG

27.2% clear enamel; 49.0% toluene; 12.2% xylene
(10.2% o, m; 2.0% p); 8.0% isobutyl alcohol;
4.0% isobutyl ether; 2.3% water; 1.0% cellosolve
acetate.

Brunswick Chemical Co., Chelmsford, MA

Log #680588

Den-centrate Copier

40% carbon black; 60% high-boiling aliphatic
hydrocarbons, including paraffin. Flash point
> 235°F OC.

Brunswick Chemical Co., Chelmsford, MA

Log #680589

Den-toner High Speed Copier

100% high-boiling hydrocarbons; flash point 127°F
OC.

Buehler AB Lapping Oil

Flash point 190°F at 621.05 mm/Hg.

Cadet Chemical Co., Burt, NY
Cadox MDP
Methyl ethyl ketone peroxide.

Cadox TS-5
50% 2,5-dichloro-benzoyl peroxide in silicone.

Calgon Skin Care Lotion
1.5% triethanol amine, 0.02% lanolin.

Log #770828
CEG

Captax
Mercaptobenzothiazole.

Carbitol
Diethylene glycol mono ethyl ether.

Carboline Co.
Fire Protection Coating #L-147-172-50
Solvent is water. Glass fibers present. P, Si,
B, Mg, Ti, Na, Al, Ca, Fe present.

Log #772988
CEG

Carrene Refrigerant
Same as Freon 11, trichloromonofluoromethane.

Carthane
Urethane foam resin.

Century Papers, Inc., Houston, TX
Super Mr. Jon Instant Bowl Cleaner
pH of undiluted product is 1. Percent of
HCl = 27.5.

Log #770133
CEG

Certified Laboratories, Ft. Worth, TX
"WAS-16" Anti-Splatter Compound
Lightweight aliphatic hydrocarbon oil with a
mixture of CO₂ and nitrous oxide as propellants.

Log #730007
CEG

Chemtron Corp., Downey, CA
CEE BEE
Contains > 50% methylene chloride; < 20% phenol;
< 20% formic acid.

Log #752028
CEG

Chevron
RPM Delo Motor Oil
Material is an aliphatic hydrocarbon oil.

Log #772718
CEG

Chevron

RPM Hydraulic Oil

Flash point 215°F OC, 41-63 MC.

Chlorothene (Vythene) 500 ppm

Methylchloroform compound, degreasing solvent.

See 1,1,1-trichloroethane.

Chlorothene Solvent

94-97% 1,1,1-trichloroethane, 2.4 to 3% dioxane,
0.12 to .3% butanol and small amounts of ethylene
dichloride, water and other materials. Ind. Hyg.
J., Aug. 61, p. 253.

Chromerge

Chromium salt and sulfuric acid cleaning solution.

Cincinnati Milling Machine Co.

Log #762316

Cim Cool 30

CEG

Contains nitrites.

Cincinnati Milling Machine Co.

Log #741001

Cim Perial #15 Cutting Oil

Material is an aliphatic hydrocarbon oil. No aromatics
present. Contains a trace of formaldehyde. pH = 9
conc. form.

Cincinnati Milling Machine Co.

Log #762317

Cim Plus 49

CEG

Contains nitrites.

Clearco Products Co., Philadelphia, PA

Log #730028

Welding Jelly

CEG

Emission spectra shows the elements C, Si, Fe.
I.R. indicates a di-phenyl silicone polymer
and a high molecular weight hydrocarbon oil.

Cobehn Co., Fairfield, NJ

10/3/61

Cobehn Spray Cleaning Solvent

JE

Chloroform + ~ 1% ethyl alcohol. (96% CHCl_3 +
4% EtOH (LASL 4/20/73) Ref. Bill Stocum.)

Codo Manufacturing Corp.

Log #670252

Duplicating Fluid

LWB

90% CH_3OH , 10 % cellosolve, contains wood alcohol.
Conforms to Type II Fed. Spec. O-D-825. Flash
point 48°F OC, flammability 20-70°F. $N_D = 1.3345$
(18).

Collodion

A solution of nitrocellulose in ethyl alcohol
and ether. If it also contains camphor, it
becomes celluloid when it is dried. Very
flammable; flash point -49°F, -45°C.

Colorado Paint Co. Edgewater Linseed Oil Material is linseed oil.	Log #772729 CEG
Columbia Ribbon & Carbon Mfg. Co., Inc., Aurora, IL Duplicating Fluid CH ₃ OH - 90% + 10% ethyl cellosolve; for use on all spirit duplicating machines. $n_D = 1.3280$ (18). Flash point 49°F OC; flammability 20-70°F. Toxicity hazards - TLV 200 ppm; mg/m ³ .	Log #670248 LWB
Columbium Carbon Co. Neatax Carbon black.	
Copytron Toner Purple thermoplastic resin	Log #641525 LWB
Corona Chromium Etchout Contains Fe and Cr and H ₂ SO ₄ . pH of conc. solution = 0.1.	Log #710735 CEG
Crown Toolmakers Ink Remover 17.5% CH ₃ OH, 13.2% methyl acetate, 42.3% propyl acetate, 27.0% toluene. Flash point 48°F OC.	Log #660015
Crystalex EPK Kaolin	
Curing Agent Z 50% methylene dianiline, 40% m-phenylene diamine, 10% phenyl glycidal ether.	Log #772598 CEG
Cut Aid 98% 1,1,1-trichlorethane, 2% cutting oil.	Log #631046 TAL
Cutscum Detergent Mixture of nonionic surfactants, pH = 7.5.	Log #772012 CEG

Dairy Specialties Co., Oklahoma City, OK

Log #630626

Milk Stone Remover

TAL

30% H_3PO_4 + test for Cl + test for PO_4 .

pH $\ll$ 0 - strong acid; evap. to H_3PO_4 .

Dap, Inc., Dayton, OH

Log #671739

Dap Waterless Hand Cleaner and Conditioner

JPG

2% biodegradable sulfated aliphatic anionic
detergent - 10% lanolin. Balance - alkyl aryl
polyglycol ether and glycerol. No defatting
solvents, no petroleum distillates.

Datnab

1,3-diamino, 2,4,6-trinitrobenzene.

Probably an explosive.

Day Company

Stafoam

Urethane plastics.

Day-Glo 66

Log #661551

Flash point 118°F.

LWB

Dayton-Dem Kote Blue Gray 2 x 729

Log #770978

Solvents are ethanol, chloroform, 2 butanone
and toluene. Polyester resin and propellant
is butane or propane.

CEG

Dayton Rogers Mfg. Co.

Layout Fluid Thinner & Remover

Chiefly amyl acetate M.A.C., 200 ppm 1.1% by
volume in air.

DC SYL - KEM

Silicone, primer.

Deapa

Diethylaminopropylamine.

Deft Inc., Torrance, CA

Deft "Remove"

Contains methylene chloride, trichloropropane
and methanol. Cannot be made nonpoisonous;
combustible.

Delco Auto Transmission Fluid - 5 Wt.

Flash point 385°F.

Demeron Enterprises, Inc., Louisville, KY
Vi-Lan Hand Cleanser

Log #690516
CEG

Contains lanolin, glycerine, 2,6-dimethyl-4-hydroxyl-chlorobenzene, water and perfume in a petroleum base (deodorized kerosene). pH of 1% aqueous soln = 8.4. 9.3% H₂O, 75% paraffin HC's, 7% soap/detergent, 2% lanolin.

Deoxalum - Aluminum Cleaning Agent
≈ 0.1 N in H₂SO₄ in solution with soap or detergent.

11/5/58
JE

Derma San Hand Cleaner Pads
Consists of glycerine and lanolin in an aqueous solution. Pads are made of cotton cloth.

Log #690381

"De-Seal" - E Paint Stripping Compound
Solvent is alkyl chloride (3-chloropropene)
CH₂ = CH - CH₂Cl. Sample consists of a volatile solvent plus some gelatinous residue. Solvent is one component chlorinated = allyl chloride or 3-chloropropene.

Log #630285
TAL

Deseal-2L Paint Stripping Component
Methylene chloride CH₂Cl₂. (Residue is viscus, gelatinous - not water soluble.)

Log #630322
TAL

Diall Mesa Molding Compound
A diallyl phthalate resin, similar to Rogers molding compound.

A. B. Dick, Chicago, IL
Azograph Carbon Paper
Mostly organic dyes, wax binders and carbon black. No organic volatile solvents or inorganic toxic materials were found.

Log #641140
JPG

A. B. Dick Co., Chicago, IL
Azograph Fluid
CH₃OH + blue dye - "#34-2010 for use in A. B. Dick duplicators - corrosion will result in other duplicators."

Log #670246
JPG, LWB

A. B. Dick Co., Chicago, IL
Azograph Fluid
Methyl alcohol

Log #641522
LWB

A. B. Dick Co., Chicago, IL
Azograph Fluid
85% methyl alcohol + 15% triethanol amine and dye. Possibly bromthymol blue.

Log #651266
LWB

A. B. Dick Co., Chicago, IL Compatible Azograph Fluid CH ₃ OH + blue dye. (TNI 100% CH ₃ OH) #34-2050.	Log #670245 LWB
A. B. Dick Co., Chicago, IL Copier 92-2175 21.5% carbon black + 78.5% hydrocarbons (C ₁₁ - C ₁₄).	Log #681630 CEG
A. B. Dick Co., Chicago, IL Dispersant 92-2200 100% hydrocarbons (C ₈ - C ₁₄).	Log #681631 CEG
A. B. Dick Co., Chicago, IL Mimeograph Ink Boiled at 185°F 625.7 mm Hg.	
A. B. Dick Co., Chicago, IL Purple Ditto Carbon Paper Mostly organic dyes, wax binders and carbon black. No organic volatile solvents or inorganic toxic materials were found.	Log #641138 JPG
Dicup Dicumyl peroxide.	
Diesel Fuel Oil Flash point 111°F.	
Dietzgen 200X Pencil Line Eradicator N-butyl alcohol - 9.86% i-propyl alcohol - 44.35% methyl alcohol - 45.79%	7/26/62 LL
Dietzgen 200X Pencil Line Eradicator Volume percentage: 45% isopropanol, 45% methanol, 10% 1-butanol.	Log #641251 LWB
Dip-Seal Corp. Dip-Seal Plastic Polyvinyl alkyl ether resin with plasticizer (< 10%) and oil (< 5%).	Log #673556 JPG
Dip Seal Corp. Dip Seal Plastic - Red & Green Polyvinyl butyral in castor oil base.	Log #691936 - 7 LWB, FT

Ditto Fluid 90.4% pure methanol (spec 535A 40-65% MeOH, 20-40% benzene - EtOH Azeotrope).	11/21/62 TAL
Ditto Inc., Chicago, IL Direct Process Fluid CH ₃ OH; "contains over 60% methanol. . . contains hydroxylorganic compounds." Fire hazard rating in class with alcohol (ethyl). N _D = 1.3298(18) (TNI CH ₃ OH - 50-60% + EtOH); flash point 46°F OC; flammability 20-70°F.	Log #670247 LWB
Diversey Diversey DS-9-333 Stainless Steel Brightener & Descaler 70 g/l H ₃ PO ₄ ; 47 g/l HCl; 10 g/l alkyl phenol polyglycol ether; balance H ₂ O.	Log #673350 JPG
DL Skin Care Products DL Hand Cleaner Petroleum naphtha in a kerosene solvent base with lanolin and hexachlorophene.	Log #670217 LWB
Do-All No-Load Mounting Cement Polyester resin with filler of chalk or kaolin. No accelerators or catalysts detected.	Log #700039 CEG
Dow Chemical Co. Chlorothene VG Contains methyl chloroform.	Log #772711 CEG
Dow Chemical Co. Dowclene EC Cleaner 75% inhibited 1,1,1-trichloroethane + 25% tetrachloroethylene by weight. Ref: <u>AIHA</u> <u>Journal</u> 24, No. 6 541, 1963 (p. 653).	
Dow Corning Corp., Midland, MI Aerospace Sealant #92-024 Methyl silicone rubber potting resin (grey); methyl silicone oil vehicle; grey paste, sweetish "ketone" smell.	Log #680403 JPG
Dow-Corning #4 Compound Methyl silicone.	Log #660158 LWB
Dow-Corning 200 Fluid Dimethyl polysiloxane.	Log #680641 LWB

Dow-Corning
Stopcock Grease
Methyl silicone.

Log #660159
LWB

Dowicide G
Fungicide; see sodium pentachlorophenate which
constitutes 75% of this material.

Dri-Glo Furniture Wax
Petroleum distillate - 100% paraffins and
naphthenes; boiling point range 85°-90°C.

Log #641265
LWB

Dry Lube - Aerosol
87% CCl₄; two very low boiling fractions - 5% each;
residue 3.6%.

12/11/62
TAL

D. T. Cleaner
Unreacted alkali = 13.5 ml of 1 M H₂SO₄/ gm of
cleaner. pH 11.9. Offensive odor - a pine oil
as a deodorant and germicidal agent.

Log #641296

DTE 24 Oil
Contains aliphatic hydrocarbon oil.

Log #762660
CEG

DuPont
Delrin (Delrin Acetal Resin)
A formaldehyde thermoplastic completely inert;
sp gr 1.4, M.P. 175°C, nontoxic.

DuPont
Developer B
Tech. sodium sulfite; pH (5% H₂O solution) > 11.

Log #680504
JPG

DuPont
Esteron 10-10
2,4-dichlorophenoxyacetic acid 53.5% acid
equivalent propylene glycol, butyl ether esters
70.5%, 29.5% inert ingredients, organic ester of
2,4-D. Can cause dermatitis, avoid inhalation.

DuPont
Hylene W
Methylene bis (cyclohexylisocyanate). Strong skin
irritant and sensitizer; 10 times as irritating as
TDI. TLV .01C ppm; mg/m³.

5/25/76

DuPont
Hypalon
Dupont polyethylene elastomer chunks.

DuPont
Lacquer - Duco DuPont
Flash point 25°F; sustains fire.

Log #661552
LWB

DuPont LinoWrit Rapid Processing Developer A Tech. hydroquinone.	Log #680503 JPG
DuPont LinoWrit Rapid Processing Stabilizer #1 Tech. sodium thiosulfate; pH (5% H ₂ O solution) = 5.	Log #680505 JPG
DuPont LinoWrit Rapid Processing Stabilizer #3	Log #680506 JPG
DuPont LinoWrit Stabilizer #1 Type 200 Contains thiosulfate and sulfate anions; ammonium as cation.	Log #720181 CEG
DuPont Prep Sol Solvent 3919-S Mixture of aliphatic and aromatic hydrocarbons with some acetates.	Log #740591 CEG
DuPont Thinner Acetone 21.0%, toluene 46.3%, methyl cellosolve acetate (2-methoxyethyl acetate) 32.7%; flash point 35°F OC.	Log #680362 JPG
DuPont Zerlate DuPont thiuram base fungicide.	
DuPont Zytel A DuPont brand of nylon.	
Duracryl Acrylic Lacquer Thinner 43.5% acetone, 37.0% toluene, 5.0% cellosolve acetate, 14.5% aliphatic hydrocarbon (octane); flash point 18°F OC 629.3 mm Hg.	Log #650842 GE, LWB
Durakore Liquid dental cement contains methyl methacrylate.	
Dutch Boy - White Lead Used as lubricant; 90% basic carbonate of white lead, 10% linseed oil (manufacturer's information).	

Dutch Cleanser	Log #630368
Cl ₂ 35 ppm (solutions were made up at 15 gms per liter tap H ₂ O) at 25°C or saturated solution; pH 10.0.	TAL
Dykem Steel Blue	Log #640257
Low boiling hydrocarbons, petroleum ether, n-propyl acetate, blue dye; 90% ligroin and 10% propylacetate.	ROM
Dynachem Developer	Log #650319
Xylene.	LWB
Dynachem Resist	Log #650318
Petroleum naphtha + polymethyl methacrylate plastic.	LWB
Dynaloy, Inc., Newark, NJ	Log #680405
Uresolve Plus	JPG
75% 2-methoxyethanol, 15% dimethylformamide, 10% diethylformamide.	

Eagle Fixatif Aerosol

55% Ethanol
35% freon propellants (18% B.P. 11°C,
15% $\sim$ -10°C, 2% $\sim$ -25°C)
8% polyvinyl acetate
2% ethyl acetate

Log #670424
JFG

Eagle Fixatif Art Spray Matte Finish

81.4% ethyl alcohol, 11.2% methyl alcohol,
6.4% methylene chloride, <1% ethyl acetate.
Contains a freon as propellant.

10/13/70
CEG

Eagle Fixative

Methyl alcohol, isopropyl alcohol, and a
chlorinated hydrocarbon

Log #620790
FG

Eagle-Picher Floor Dry 85

Less than 0.5% "free" silicon present.
Contains Al, Mg, Na, Fe, Ca as cations.
Silicate as anions. No carbonates.

Log #713566 & 713560
CEG/WLC

Eastman Kodak

X-Ray Fixer & Replenisher

Fixer - 10% $\text{Na}_2\text{S}_2\text{O}_3$, 5% H_2SO_4 in H_2O
Replenisher - 20% H_2SO_4 , 10% $\text{Al}_2(\text{SO}_4)_3$ in H_2O

Log #661492
JFG

Eastman Kodak

Eastman 910 Adhesive

Methyl - 2 - Cyano acrylate

Eastman Kodak

Kodak Autopositive Resist Type 3 MX740-1

Inorganic - Na. Solvent - ethylene glycol
monomethyl ether acetate. Plastic - poly-
acrylamide and isoprene copolymer.

2/1/71
CEG

Eastman Kodak

Eastman "910" Catalyst

Phenylethylethanolamine

Eastman Kodak

Kodak Developer Linograph 1000 Liquid Processing Kit

Contains sodium sulfite, hydroquinone, sodium
hydroxide, sodium carbonate, KBr, KCl and water

Log #710198
CEG

Eastman Kodak Co. Kodak Film Cleaner 15% Heptane; remainder as chlorinated hydrocarbons (43-60°C); one being ethyl chloride	3/16/62 JE
Eastman Kodak Kodak Metal-Clad Plate Etchant Contains Fe and Cr and H_2SO_4	Log #710733 CEG
Eastman Kodak Co. Kodak Metal Etch Resist Inorganic - Na, Cu, Mg, Pb, Fe, Mn; Solvent - xylene; Plastic-polyisoprene	Log #702383 CEG
Eastman Kodak Kodak MX540-KTFR Inorganic Zr, Na; Solvent - xylene; Plastic - Isoprene	Log #702384
Eastman Kodak Kodak Photoflo 200 Small amount of ethylene glycol in water with wetting agent and some sulfates	Log #713377 CEG
Eastman Kodak Kodak Photoresist Type 2 No inorganic Solvent - monochlorobenzene Plastic - polyacrylamide	Log #702383 CEG
Eastman Kodak Kodak Stabilizer Linograph 1000 liquid processing kit Contains sodium thiosulfate, sodium sulfite, formalin, sodium carbonate	Log #710199 CEG
Eastman Kodak Kodak Stabilizer 2 linograph 1000 liquid processing kit Contains sodium thiosulfate, sodium sulfite, formalin, sodium carbonate	Log #710200 CEG
Eastman Kodak Kodak Part A Stop Bath Linograph 1000 Liquid Processing Kit Contains sodium sulfate, water, alkali	Log #710196 CEG

Eastman Kodak
Kodak Part B Stop Bath Linograph 1000
Liquid Processing Kit
Contains acetic acid

Log #710197
CEG

Eastman Kodak
Kodak Rapid Fix
Sodium thiosulfate

Eastman Kodak
Kodak X-Ray Developer
(Developer) Sol'n A 7.1N OH- Hydroquinone
Sol'n B (replenisher) 8.9 NH⁺ 50% acetic
acid

Log #661429-30
JPG

Easy Flo
Silver Solder
Wire 1/32 - 30.1% Cd }# is not known for these
Sheet - 21.0% Cd

Log #660513-14
JPG

Ecco Brand
Ecco Bowl Cleaner & Scale Solvent
Approx. 40%-50% HCl; water, dye

Log #620871
PG

Eccospheres
Inorganic glass 77% SiO₂

Log #630407
RM

Edmund Chemical Co., Albuq., NM
Ecco Brand Ice Melter
97.7% KCl; 0.585% NaCl; 0.003% CaCl₂;
0.012% MgCl₂; 0.513% H₂O (loss @600°C)

Log #680036
JPG

EFFA Spray Duster
Freon with a trace of hydrocarbon oil -
Possibly from the can coating

Log #680821
LWB

Electroglo Co., Chicago, IL
Electroglo 200
53% conc. H₃PO₄; 27.0% tri-n-butyl
phosphate; 26.6% n-butanol

Log #680407
JPG

"Electroless" Black Magic for Aluminum
Mo 1.9% in can as (NH₄)₂ MoO₄;
B 4.8% in can as H₃BO₃; Si<0.5%;
Na<0.5%; CoSO₄ 0.7³H₂O remainder with
wetting agent

Log #641136
JPG

Elmox G-20
Na, B only elements detected PH=9

Log #762662
CEG

Emerson Cummings, Gardenia, CA
ECCO-Strip 93
85-90% methylene chloride 0.5%;
CCl₄ + CHCl₃ + methylchloroform;
9-10% formic acid

Engelhard
Silver Solder
#6-355 0.1% Cd
#50 17.8% Cd (TNI 18%)

Log #660511-12
JPG

Englehard-355 Silver Solder
.045% Cd.

Log #712548
CEG

EPD-TC-438
Epoxy scaling kit, polyamide

EPD-TC-459
Epoxy molding kit, polyamide

Epocast Versamid Catalyst
A polyamide catalyst

Epo-Lux 100 Coating E-1 White
Contains toluene and GME (ethylene glycol
monoethyl ether). No lead

Log #713966
CEG

Epon R Shell
Epoxy composed of diphenylpropane.
Amine hardener composed of p-phenylenediamine
and 2,3,5 tri - (dimethylamino) - methyl phenol

Epolux Thinner
Contains ethylene glycol monoethyl ether and
a mixture of xylenes.

Log #761106
CEG

Epoxy Plastics
Plastics based on resins made by reaction of
epoxides or oxiranes with other materials
such as amines, alcohols, phenols, carboxylic
acids, acids anhydrides and unsaturated
compounds. Dermatitis attributed to the
amines used as curing agents.

Epoxy Resin for Curing Agent Z
Contains bis phenol A; Epichlorohydrin

Log #772599
CEG

Epy
Epoxy

Ethyl Centralite
Diethyldiphenyl urea

Ethyl Selenac
Selenium diethyldithio-carbamate

Ethyl Tuad
Tetraethylthiram disulfide accelerator

Exxon Corp.
Caloria HT-43
Contains aliphatic hydrocarbons

Log #773928
WE

Flectol-H	
Antioxidant, amino compound	
Flexzone C-H	
N-phenyl-N-cyclohexyl-p-phenylaminodiamine	
Flubber	
Polybutadiene in mineral oil prepared by action of sodium on 1,3 - butadiene; a synthetic rubber product	
Fluro-Bond & Fluoro-Etch	
Mixture of sodium naphthalate and tetrahydrofuran	
Flux for Stainless Steel	Log #650271
Flux contains iron, nickel, manganese, silica and boron	GE
Foresight, Inc. - Denver, CO	Log #762658
F101 Foresight Cleaner	CEG
Na and Si only elements detected. Positive test for carbonate and silicates. PH = 9	
Formica Solvent	Log #630325
Isopropyl ether, ethyl acetate, several low boiling aliphatic esters, alcohol, ketone, ether compounds and an aromatic component	TAL
Formica Solvent	
Isopropyl ether, ethyl acetate, several low boiling aliphatic esters, alcohol, ketone, ether compounds and an aromatic component. 9 components total	
Foto Foil Co.	Log #692902
Foto Foil Etching Powder	EG
0.01% Soln = 2.5 ppm Na	
Franklin Formula #1010 Floor Wax	Log #740502
Carnuba wax with an amine emulsifier in an aqueous solution	LWB
Franklin Pink Velvet Hand Soap	Log #701083
70% boron (probably as borox) <0.5% pine-oil perfume. 3-4% lanolin. Remaining material is sodium & potassium soap. Trace of hexachlorophene	CEG

Fernox F-11 Rust Inhibitor

Na, B only elements detected pH = 9

Log #762663
CEG

Fibrene C-400

Talcum, filler for potting materials

Filter Pad Coating Oil

This is a petroleum base product, soluble
in toluene, has density of 760 mgms/ml.
Is adaptable to fluorimetric analysis
with a lower limit of sensitivity of 20 mgms.
Suggest sampling in toluene or millipore filters.

Finch Paint Thinner TL-26

49.5% ethyl acetate; 27.4% hexane;
23.2% xylene; no alcohols or halogenated
hydrocarbons

Log #713568
CEG

Finch Paint Thinner TL-29

6.6% ethanol; 51.6% heptane; 10.4% ethyl
acetate; 31.5% hexane; no aromatics or
halogenated hydrocarbons

Log #713569
CEG

Finch Paint Thinner TL-52

40.5% hexane or heptane; 7.5% ethanol;
35.8% ethyl acetate; 13.5% xylene;
2.9% methanol; no halogenated hydrocarbons

Log #713567
CEG

Fishers Stain-Off

The cleaner is diethylene glycolmonoethyl
ether in an unsaturated fatty acid based
oil. Infrared, fractional distillation

Log #661675

Fisher "Stain-Off"

Diethylene glycol monoethyl ether in
an unsaturated fatty acid-based oil

Log #661675
JPG/LWB

Flamemaster Co.

Flamemastic #71A Fire Protection Coating

Solvent is water. Glass fibers present.
P, Si, B, Mg, Ti, Na, Al, Ca, Fe present

Log #772987
CEG

Flamemaster Fire Protection Coating #77

Contains B, Si, Al, Sb, Mg, Fe, Ca,
Na, Ti

Log #774089
WE

Flamemastic & Flamemastic Thinner

Toluene

Log #630032
TAL

Freon TA

Freon TA; 20% acetone to 80% of 2nd phase,
presumed to be Freon TF

Log #630105
RM

Fry Plastics Plexiglass & Lucite Cement
100% 1,2 - dichloroethane

Log #690259
CEG

Furan Plastics

Plastics based on resins in which the furan
ring is an integral part of the polymer
chain. Made by polymerization of furfural,
furfural alcohol, or other furan-ring
compounds.

Furnex

Carbon black grains

Fusel Oil

Isoamyl alcohol.

Fusion Silver Brazing Paste #S-4-1050
7.5% cadmium

Log #660533
JPG

GAF Corp. Microline-Positive Working Photoresist PR102 No inorganics. Solvent - ethylene glycol monomethyl ether acetate. Plastic - polyacrylamide and isoprene copolymer.	Log #702387 CEG
Galex Rosin	
Garnet Abrasive < 10% quartz	Log #771194 CEG
Gates Engineering Co. GACO Neoprene Thinner 100% 2-butanone; TLV 200 ppm; mg/m ³ .	Log #661834 LWB
G. C. Electronics Co. G. C. Acrylic Cement #402 Flash point < 41°F TCC	
G. C. Electronics Co., Los Angeles, CA G. C. Cement Thinner #28-2 3.1% methyl alcohol, 24.7% acetone, 23.7% ethyl acetate, 22.7% toluene, 25.8% n-butyl acetate.	Log #680039 JPG
G. C. Electronics Co. G. C. Lacquer Thinner Flash point < 40°F TCC, DC.	
G. C. Electronics Co., Rockford, IL Spra-Kleen #8666-16 Electrical contact cleaner and lubricate. Contains ≈ 95% methyl chloroform, ≈ 5% methylene chloride. Propellant is Freon 12.	Log #730859 LWB
G. C. Electronics Co. Strip-X Methyl chloride 30% plus ammonia and phenol.	Log #651101 LWB
Gelvatol Water soluble polyvinyl alcohol resin. White powder, decomposes above 200°C, flash point greater than 392°F.	
General Cement Co. Radio Service Solvent 32% acetone, 37% ethyl acetate, 29% aromatic solvent carrier, 2% unidentified trace hydrocarbons.	10/10/61 JE
General Cement Co. Radio-TV Cement Solvent Contains ethyl acetate, amyl acetate, butyl acetate, acetone; no toluene detected.	Log #761097 CEG

Genetron	
Trifluorotrichloroethane, same as Freon 113, halogenated hydrocarbon refrigerant.	
Glastic	
Glass-reinforced polyester plastic molding compound.	
Glaze Remover	Log #772608
Contains chloroform/xylene.	WE, CEG
Glyptals (glyptol)	
Resins made from phthalic anhydride and glycerol.	
Go-Jo Waterless Handcleaner	Log #661576
Deodorized kerosene plus lanolin and silicone	LWB
B. F. Goodrich	Log #701644
Adhesive A 1178B	LWB, CEG
Mixture of phthalic acids and aliphatic dicarboxylic acids. Solvent is methyl isobutyl ketone.	
B. F. Goodrich	Log #730137
Adhesive A 1178B	CEG
Solvent is methyl ethyl ketone.	
B. F. Goodrich	Log #771443
Flexseal #1 Flashing Adhesive CA1056 White	CEG
Solvent is TCE, adhesive is a latex rubber or butyl rubber.	
Granodine Compound	
A zinc phosphate surface treatment compound.	
Granodraw Compound	
A phosphate surface treatment compound.	
Grease-OL	
Flash point 110-115°F	
Green's Sanitary Supply	9/12/62
Allsheen	LL
Solvent phase consists of unsaturated petroleum distillates. B.P. range 157-192°C at 760 mm Hg; miscible w Velva Sheen; flash point 126°F.	
Green's Sanitary Supply	Log #672355
Luron	JPG
2.35% lanolin, major borax, trace silicates, good spectral purity, pH of 1% slurry - 9.1, % insol. in 1% slurry - 0.25%. Odor - soapy, mild; particle size uniformity - good; dust generation when poured - none.	

Green's Sanitary Specialties, Albuquerque, NM P & E Cleaner 3.6% HCl, 7.2% oxalic acid, 88% water, trace deodorant and detergent.	Log #661646 JPG
Green's Sanitary Specialties P & E Cleaner Acid = 8% as HCl, 91% water, 1% cleaners and detergents.	Log #721255 CEG
GSA Mop Dressing Oil Flash point 176°F OC. GSA Stock No. 704169.	Log #660427 GE
GSA Scouring Powder, Type I, Class I Chlorine (ppm) approx. 1; solution made up at 15 gms per liter tap H ₂ O at 25°C or saturated solution. pH 10.5 (compared with Dutch Cleanser - pH = 10.0, Cl ₂ = 35 ppm. GSA #7930-663-9257.	Log #630367 TAL
GSA Scouring Powder pH = 7.0, chlorine = N.D. Stock No. 7930-205- 0442 - Type II without bleaching, Fed. Spec. P-S-311c.	Log #660051 LWB
GSA 35X Thinner 15.9% isopropanol, 18.4% acetone, 12.7% n-hexane, 12.3% MIBK, 40.7% toluene; flash point 32°F OC.	Log #680360 JPG
Gulf Microwax #75 Tungsten dispersal in microcrystalline wax. Petroleum wax - high molecular weight aliphatic hydrocarbon.	Log #680501 LWB
Gunk Laboratories Carbon Met 20% dichloromethane (methylene chloride) in petroleum distillate, similar to benzene. Boiling point 130°C, similar to benzene.	8/7/61 AJE

Habcool #318 A petroleum based oil containing sulfur (contains 6% sulfur and 2.9% chlorine).	Log #650097 LWB
Hale Co. Pepco-415-Antiseptic Hand Cleaner 0.45% lanolin, major borax, minor silicates, fair spectral purity, pH of 1% solution - 9.3, % insol. in 1% solution - 0%. Odor - soapy, strong; particle size uniformity - fair; dust generation when poured - much.	Log #672639 JPG
Hale's Satin Finish (Silicone Polish) Wax and silicone suspended in a 1:1 mixture of isopropanol and petroleum ether. The solvent odor is masked by the strong perfume which is present.	Log #641093 LWB
Handy & Harman Handy Flux Allergic individuals may suffer skin irritation. When overheated, the fumes are irritating to the eyes, nose and throat.	
Hanley's Coroban Poly Epoxy, Part A Contains toluene and ethylene glycol monoethyl ether as solvents; no lead. Flash point 24.5°C.	Log #713965 CEG
Hanley's Coroban Poly Epoxy, Catalyst B Contains toluene and ethylene glycol monoethyl ether as solvents; no lead. Flash point 23°C.	Log #713964 CEG
Harflex 150 High molecular weight ester.	
Heliozone Petroleum wax.	
Herculene Erasing Fluid K&E 580260 50% Freon 11, 10% Freon 21, 40% isopropyl alcohol; nonflammable by OC.	Log #620567
Hermes Bond 730 Methyl ethyl ketone and 2-5% acetone.	Log #630408 ROM, GC
Hermes Cement Methyl ethyl ketone.	Log #630408
Hermes II Oil High purity mineral oil.	Log #680770 LWB

Hermes II Transformer Oil
Mineral oil.

Log #690194
CEG

Hersen Chemical, Detroit, MI
Rance-Rid

Log #670198
JPG

Sodium perborate, $\text{NaBO}_3 \times 4\text{H}_2\text{O}$ ($\text{NaBO}_2 \cdot \text{H}_2\text{O} \cdot 3\text{H}_2\text{O}$),
traces of calcium, magnesium (spectrograph,
atomic absorption).

Hexaver

Disodium dihydrogen cyclohexane diamine
tetraacetate.

Heyer, Inc., Chicago, IL
Spirit Fluid

Log #670250
LWB

CH_3OH , "contains methanol;" #475 "a superior fluid
for use on all direct process duplicators."
 $N_D = 1.328(18)$; TLV 200 ppm, mg/m^3 ; flash point
50°F OC; flammability 20°-70°F.

Hi Grade Alloy Corp.
Lacquer Thinner SM200
100% toluene

Log #661758

E. V. Hill, Inc.
White Smoke Candle #10-030

8/31/70
LWB

Residue is ZnCl_2 + C; telecon with supplier
(Ditto) 8/31/70. TLV 1.0 mg/m^3 - ZnCl_2 .

HiTri

Trichloroethylene.

Hochwald Company, San Francisco, CA
Dust Away Mop Dressing
Mineral oil carrier for a wax.

Log #641264
LWB

Hockwald Company
"H" Nu-Clean

Log #680052
JPG

8.1% HCl, no oxalic acid, 10% alkyl aryl
polyglycol ether, trace deodorant, balance
is water.

Hoppe's Powder Solvent Nitro #9

Log #650607
JPG

1.61% nitrobenzene, 2.40% NH_3 , 15.5% ethanol,
approximately 5% amyl acetate, approximately
75% petroleum distillates. Boiling point 125°C
and greater.

Houghto-Clean 224 Paint Stripper 70% methylene chloride, 30% commercial cresols; flash point - none; boiling point 90°F.	Log #661263
E. F. Houghton & Co. Cindol 3102 Less than 10% fatty acid esters and 91% minimum of petroleum oil. Does not contain chlorine or sulphur.	
E. F. Houghton & Co. Cutmax #50 Cutting Oil Sulphur, chlorinated active cutting oil; dilution 1:1 in light machine oil; flash point 283°F OC.	Log #660548
E. F. Houghton & Co. Cutmax Cutting Oil #570 Petroleum based oil containing sulfur in relatively large quantity. New oil % by wt. chlorine = 0.89; used oil % by wt. chlorine = 0.44.	Log #650707
HR 100 Photoresist Contains mixed xylenes. C≡N group present.	Log #774183 WE
HR 100 Photoresist Developer Contains mixed xylenes.	Log #774188 WE
Hunt Waycoat IC Resist No inorganics. Solvent - xylene; plastic - polyisoprene.	Log #702386 CEG
Hydra-Clene Wetting agent.	
Hydropol Combustible hydrocarbon.	
Hyvac Oil Flash point above 230°F OC.	
Hyvar X - Hydrasol X Hyvar X - wettable powder containing 80% bromacil [bromacil - 5-bromo - 3-sec. butyl - 5-methyluracil (a herbicide)]. Hyvar X-WS - water soluble powder with 50% bromacil.	Log #651417 JPG

Ice Melters Major constituent CaCl_2 ; traces of NaCl , LiCl , MgCl_2 , AlCl_3 .	Log #650808 JPG
Incusil #10 < 0.05% cadmium	Log #661525
Incusil #15 Solder 0% cadmium.	Log #660573
Indalloy #11 Solder 96% lead, 4% indium (TNI 5% In + 95% Pb).	Log #650342 LWB
Indco Lab Corp., Santa Monica, CA Indco 217 Hand Cleaner 35.65% H_2O , 38.75% 5-m-propyl nonane, 7.60% fatty acid diethanolamide (nonionic surf. act. agt.), 12% nonylphenol ethylene oxide (nonionic surf. act. agt.), 6% sodium polyphosphate. Hexachlorophene not detected.	Log #673124 JPG
Indco Lab Corp., Santa Monica, CA Indco 217 Cream Soap Hand Cleaner 14.2% H_2O , ~ 71% paraffin hydrocarbons, ~ 3% lanolin, ~ 5% soap and detergents, < 5% triethanolamine, < 1% perfume. pH of 1% solution = 8.35.	Log #701765 CEG
Indust-Ri-Chem Lab, Richardson, TX J-44 Strip Solvent Contains acetone, ethylacetate, methylene chloride, and phenol.	Log #774093 CEG
Indust-Ri-Chem Lab, Richardson, TX Resist Strip-J-100 40% perchloroethylene, 20% orthochlorophenol, 40% phenol.	Log #670185 JPG
Interior Enamel Paint White KM8410 Pigment contains 56.7% TiO_2 ; 5.2% SiO_2 ; 38.1% CaCO_3 . Vehicle contains 45.6% soya alkyd; 54.3% thinner.	Log #751447 CEG
International Paints Ltd. of Canada Intermastic Intumescent Fire Retardant #C68-777 Solvent is H_2O and alcohol; P, Si, Mg, Ti, Na, Al, Ca, Fe present.	Log #772596 CEG
Interstate Business Machine Co. (International) Facsimile Posting Fluid 81% acetone, 19% methyl alcohol.	

Jewel

Jewel Met-All Aluminum Polish

Major components: Fine grit alundum (Al_2O_3),
rouge (Fe_2O_3), silica (SiO_2) suspended in a
paste of waxes and ammonium oxalate ($(\text{NH}_4)_2 \text{C}_2\text{O}_4$).
Spectrograph, petrographic microscope, wet
inorganic.

Log #760201
JPG

Johns-Manville

Marinite #36

30% asbestos.

2/73
Manufacturer

Johns-Manville

Sil-O-Cel

Natural uncalcined diatomaceous earth,
amorphous silica. Fine fluffy powder, off-white
color; M.P. 1400°C ; conversion to cristobalite begins
@ 450°C ; if NaCl & Ca carbonate present, conversion is
complete @ 800°C (ILO Dictionary). TLV 1.5 mg/m^3
respirable dust; 1976 addition to notices of intended
changes. Decomposition products: Unknown, probably
none. Calcining heating below m.p., without flux,
will produce product with 5 to 10% cristobalite.
Flux calcining $\rightarrow$ 35-45% cristobalite. Used as
insulation or filtration media.

5/5/77
Manufacturer

Johnson's Wax Water Soluble Cutting Fluid TL131

Contains nitrites and amines.

CEG

Jointers Cement

< 5% asbestos by microscope examination.
Emission spect. shows Fe, Mg, Si as major
components.

Log #722724
CEG

Kadox
Zinc oxide.

Kano Molyfilm
Contains molybdenum di-sulfide; nonflammable in open flame at 6" and 12".
Log #714179
CEG

Kee Chem 56 Degreaser
39.2% total alkali as Na_2O , 16.3% NaOH , 23.7% carbonates (Na_2CO_3), balance is poly phosphates, soap, resins and wetting agents.
Log #691401
CEG

Kel-F 81 Plastic
Replacement for Kel-F Plastics 270 and 300 of the same chemical identity. A chlorotrifluoroethylene ($-\text{CF}_2\text{CCFCl}-$) thermoplastic resin of approximately 1300 to 1600 molecular weight. Melting point 414°F ; chemically inert after cure and has high thermal resistivity. Available in the following chemical forms: Kel-F81 Plastic, KF-6050, KF-6051, KF-6060, KF-6061, Kel-F81 Plastic with 25% plasticizer, KF-6052.

Kelvar
Polyamide with amine catalyst; contains Na, Si, B, Fe, Mg.
Log #770104
CEG

Kem Kool
Approximately 75% water, sodium carbonate, ethylene glycol, organic dye.
10/18/62
PG

Kem Tex Plastic
Plastic is a phenolic/formaldehyde resin with a self-hardening "resole" resin. Filler is wood flour. Plasticizer is tri-B-chloroethyl phosphate and the filler is wood flour.
Log #681829
CEG

Kenna Metal
Niobium pentoxide.

Kleer-Flo Co., New York, NY
Hi-T Degreasol
Petroleum distillate of 7 components; primarily aliphatic hydrocarbons with small amount of coloring agent which may contain some aromatic compound. Boiling range $155-165^\circ\text{C}$; flash point 109°F CC. TNI #4801; high boiling naphthas, no chlorinated solvents, less than 0.5% detergent, perfuming agent.
Log #630265
TAL

Kleen Sweep Ice Remover
Chlorides of Ca, Al, Ba, Na; 15% Ba, 13% Na, 70% Ca, 2% Al.
Log #650241
JPG

Kleen Sweep Ice Remover 32.1% Ca, 64.1% Na, 2.5% K; as chloride and hydroxide - 83.4% chloride and 16.6% hydroxide. (See additional information attached to Product File Card.)	Log #700303 CEG
Kmer Xylene and polyacrylonitrile plastic.	Log #650316 LWB
Knadjians Magic Handy Dry Spotter Methyl chloroform.	Log #721014 LWB
Knadjians Magic Handy Dry Spotter Contains 1,1,1-trichloroethane.	Log #760697 CEG
Knadjians Picrin Dry Spotter 60% 1,2-dichloropropane, 40% methylchloroform.	Log #670879 LWB
Koh-I-Lar Liquid Eraser Contains soap and sodium hexametaphosphate in water.	8/15/62 LL
Koh-I-Noor Rapidograph Inc., Bloomsbury, NJ Koh-I-Noor Drafting Film Liquid Eraser 291-F Aqueous solution, pH = 8.	Log #780414 CEG
Kool Kleen No qual. performed; strong ammonia odor; pH = 9.4; ammonia smell. When heated to boiling, an ammonia smell occurred. Cut 30 to 1 with water - pH = 9.0; no ammonia smell.	Log #702411 CEG
Kool Kleen Aqueous solution, H ₂ O distills leaving colored residue, pH - 9.5 solution, 8.7 distillate, 9.5 residue.	Log #630030 TAL
Kool Kleen Machine Coolant Concentrate contains 0.33 gms of soluble oil per ml. Dark green; pH - dilute (80-1) 9.0; concentrate 10.2	Log #650265 LWB
Kosmos Carbon black.	
KPR-1 Methylcellosolve acetate + styrene based plastic.	Log #650313 LWB

KPR-2	Log #650314
Chloro benzene + styrene based plastic; sensitive to light.	LWB
KPR Developer	Log #650323
Xylene.	LWB
Kralac	
Styrene resin grains.	
Krylon Crystal Clear	
Contains 20% methylene chloride; 80% toluene.	
Krylon Crystal Clear #1303	Log #651403
43% methylene chloride, 51% toluene + 6% polymethylmethacrylate. Flammability -	#680816
> 200°F; spray is combustible, but non-flammable.	LWB
Krylon Workable Fixalif #1306	Log #761748
Solvents are methanol and acetone. No aromatics.	CEG
KTFR	Log #650315
Petroleum naphtha + polyacrylonitrile plastic.	LWB
KTFR + KMER Developer	Log #650317
Petroleum naphtha	LWB
K & W Hand Cleaner (Waterless Hand Soap)	Log #671578
Partially deodorized kerosene with NH_4OH and lanolin. pH = 8.6.	LWB
Kyanite	
Aluminum silicate mineral $\text{Al}_2\text{O}_3\text{SiO}_2$.	

Lacquer Thinner

Several petroleum distillates resembling kerosene and petroleum naphtha, first distillate at 130-140°C; flash point 25°C.

Lake Welding Products, Inc., Muskegon, MI
D-Spat

Heavyweight aliphatic hydrocarbon oil with a mixture of CO₂ and nitrous oxide as propellants.

Log #730006
CEG

Lava

Approximately 5% quartz, 10% amorphous silica, balance silicates.

Log #672188
JPG

Leak Detector - Leak Tec

Aqueous detergents. Leak Tec #277C - pH 4.6, Leak Tec #277NE - pH 7.4. Slightly acidic liquid.

Log #650340

Leak Tec 277-C

Slightly acidic liquid detergent.

Log #641541
LWB

Lectra NIK

Sel-Rex nickel plating solution.

Lexsol 408

Flash point 92°F CC.

Lino-Kleener Linoleum Cleaner

Nontoxic, a liquid detergent.

Log #641338
LWB

Liquid Paper Corp., Dallas, TX

Liquid Paper Thinner 565

Contains 1,1,1-trichloroethane and trichloroethylene.

Log #780412
CEG

Lithoform #32

Zinc phosphate.

Lithographic Blanket Roller Wash

20% methylene chloride, 80% petroleum naphtha; flash point 106°F 628.2 mm Hg.

Log #650778
LWB

Litho Plate Solution

H₃PO₄ in H₂O solution + NH₃ + H₂SO₄ (minor components).

Log #660343
JPG

Lix Corp., Kansas City, MO	Log #630762
LIX	TAL
50% 1,1,1-trichloroethane, 50% petroleum distillate of kerosene range.	
Lix Corp., Kansas City, MO	7/10/63
Lix Electrical Cleaner	
TNI #1989 - methyl chloroform 32.7%, perchloroethylene 15.3%, nonaromatic saturated HC 52.0% - (1952).	
Lix Corp., Kansas City, MO	Log #772719
Electronic Equipment Cleaner EE-C-17	CEG
Aliphatic hydrocarbon oil.	
Lockfoam Urethane Resin	
Toxic - contact & vapors (blowing agent); use isopropyl wash.	
Locquic Primer Grade T	Log #730505
Main component is trichloroethylene. Also contains xylene and tetra chloroethylene.	CEG
Lotion Deodorant Skin Cleaner #7	Log #760881
Contains B, Si, Mg, Na, Ca; pH = 8.6	CEG
L & R Manufacturing Co., Kearny, NJ	Log #620789
L & R #1 Watch Cleaning Solution	PG
Petroleum distillates, N-propyl alcohol, 5-6 carbon chain amines. Boiling point - 70-160°C.	
L & R Manufacturing Co., Kearny, NJ	9/24/62
L & R #3 Watch Rinsing Solution	PG
Petroleum distillates; boiling point 90-170°C.	
L & R Manufacturing Co., Kearny, NJ	10/11/62
L & R #111 Watch Cleaner - Ultrasonic	PG
Petroleum distillates; approximately 20-25% ethyl alcohol, ammonia. Boiling point 60-170°C.	
L & R Manufacturing Co., Kearny, NJ	Log #620788
L & R #222 Instrument Cleaner	LL
Petroleum distillate, n-propyl alcohol, 5-6 chain carbon amines. Boiling point 80-170°C.	
Luperco ACF	
50% benzoyl peroxide	

Luperco ASF
50% benzoyl peroxide.

Luperco ATC
50% benzoyl peroxide with tricresyl phosphate.

Luperco CDB
50% 2,4-dichlorobenzoyl peroxide.

Luperco CSF
40% 2,4-dichlorobenzoyl peroxide.

Luron Hand Soap
GSA Product No. NSN-8520-00-270-0065. pH of 1%
solution = 9.19; contains 0.09% lanolin.

Log #762212
CEG

Macor Ceramic
Contains Al, Na, Si, B, Fe, Mg, K

Log #770103
CEG

Maglite
Magnesium oxide.

Magna Coatings & Chemical Corp., Los Angeles, CA
Polyurethane Coating & Hardener
Hardener component is a polyisocyanate resin with ethyl acetate as the solvent. The coating is a polyester-vinyl copolymer with acetone as solvent.

Log #711439-440
CEG

Magnaflux Corp.
Magnaflux
Iron particles in kerosene and toluene. Possible dermatitis hazard; respiratory hazard in high concentrations. Analysis indicated positive test for aniline content; flammable.

Magnetronics Acid Catalyst
90% denatured alcohol (ethyl) + 10% oxalic acid, 0.85 NH^+ ; pH < 1. Use with 3240 dispersion.

Log #661442
LWB

Magnetronics #3240 Thermosetting Magnetic Oxide Dispersion
Iron oxide powder + amine cured epoxy resin in xylene.

Log #661441
LWB

Mag Oil
Mineral oil.

Log #660652
JPG

Malathion
O-O-dimethyl dithiophosphate of diethyl-mercaptosuccinate.

Mapico Red
Iron oxide coloring agent.

Mapp Gas
22.6% propylene, 2.24% propane, 31.4% allene, 39.0% methyl acetylene, 4.82% n-butane.

Log #691165, 6911
691243
CEG

Maranite XL
No asbestos; contains natural fibers.

Log #762309
CEG

Marcol Oil
Flash point 347°F OC MC.

Marion 212 Skin Conditioners
1.4% triethanol amine. 0.1% lanolin.

Log #770832
CEG

Marlex 50
Polyethylene resin.

Marsh Adhesive C-350
Flash point < 40°F TCC DC.

Marshall, John J., Co., New York, NY
Marshall's Pro-Tek-To
Methyl methacrylate dissolved in toluene.
No vinyl chloride found.

Log #742350
CEG

Martin-Senour Primer
Zinc chromate.

Mayntane Floor Compound
Flash point 253°F, 628.20 mm Hg.

Log #650636
MLC

Melacrone Products Co.
CX305 Cutting Fluid
Contains nitrites and amines.

CEG

Meriam #3 Fluid
See acetylene tetrabromide.

Mertax
Mercaptobenzothiazole.

Methocel
Methyl cellulose.

Methyl Centralite
Dimethyldephenyl urea.

Methyl Tuad (Accelerator)
Tetramethylthiuram disulfide.

Methyl zymate Accelerator
Zinc dimethyldithiocarbonate.

Metriclene Solvent M-4
25% trichlorethylene, 53% chlorinated
hydrocarbons, remainder as high boiling
carrier solvent (no aromatics).

Log #620109
JE

Metriclene Solvent M-4
A petroleum distillate of at least 6 components,
aliphatic hydrocarbons plus some chlorinated
solvent. Boiling point 100-160°C plus some
high boiling residue.

Log #630061
TAL

Meyercord Co., Chicago, IL

#1505 Solution

Butyl cellosolve (Ind. Hyg. Newsletter, Vol. 5
No. 3, June, 1965).

Mica Filled Epoxy

Mica filled epoxy dust contains Mn, Mg, Pb, Fe,
Cu, Ca, Na, Si as inorganic materials. The epoxy
is an amine epoxy.

Log #710111
LWB, CEG

Micerotex Air Dry Coating

25% MEK, 25% i-propyl acetate, 25% MIBK,
15% methylcellosolve, 10% cyclohexanone.

Log #681422
LWB

Micerotex Stop-Off Lacquer Reducer

100% MEK.

Log #681423
LWB

Micria

TIS titanium dioxide, ZR zirconium dioxide.

Micro-Cel

Synthetic calcium silicate.

Micronex

Carbon black.

Micronoil Drill and Tap Lube

Excess acid = 7.50 milli equivalents/l. No
solvent distills from this product. Water
soluble, boiling point 94-96°C uncorrected,
pH 7.4 aqueous solution.

Log #631080
TAL

Micro/Type Inc., Los Angeles, CA

Big M Workover Fixative

Solvent phase - petroleum distillates methyl alcohol,
toluene, mixed xylenes, dichloromethane, and freon
propellant. Boiling point 60-85°C.

Log #620635
LL

Miller-Stephenson Chemical Co., Inc., Danbury, CT
MS-190 HD Heavy Duty Flux Remover & Cleaner

Contains freon TMC which is an azeotrope of
freon TF and methyl chloride. Freon TF is
trichlorotrifluoro ethane. Propellant is
freon also. Ref: ACGIH Trade Names Index,
Supplement #1 to the 1964 ed. (1966) p. 9.

Log #751757
CEG

Millipore Filter

Mn - trace, Zn - trace, Sn - trace, Bi - trace,
Pb - none detected.

Military (Mil-C-37 B AM 2, 4/11/63)	Log #661674
Mil Spec Gun Cleaner	JPG
0.6 g ammonia per liter; less than 5% aliphatic ester with the balance petroleum naphtha; no nitrobenzene.	
Mineral Spirits	
Flash point 107°F CC.	
Min-K	Log #771205
No crystalline SiO ₂ . Some fibers and glass spicules.	LWB
Min-K 1301 Insulating Material	Log #641252
Typical composition asbestos distributed in a fired graphite matrix. No organic binder present, will not burst into flame over bunsen burner flame or release flammable vapors.	JPG
Min-K TE 1400	Log #720864
Contains calcium-magnesium silicate with small amount of TiO ₂ . < 10% crystalline quartz.	CEG
Min-K 2002	Log #680981
Supposedly silica, MgO. Analysis: 11.8% free SiO ₂ . White, fibrous compressed mass.	
Minnesota Mining & Mfg. Co.	Log #711269
3M Activator	CEG
Emission spect. shows Ag, Mg, Na as cations. Anions are nitrate, sulfate, phosphate. pH = 5.25 on original solution.	
Minnesota Mining & Mfg. Co.	
3M EC-226 Adhesive	
Solvent is petroleum naphtha, base is reclaimed rubber.	
Minnesota Mining & Mfg. Co.	
3M Adhesive Primer	
Methyl isobutyl ketone.	
Minnesota Mining & Mfg. Co.	Log #680033
3M Color Key Developer (Negative Acting)	JPG
By solution - H ₂ O 34%, ethanol 66%;	
by weight - H ₂ O 37%, ethanol 63%.	
Minnesota Mining & Mfg. Co.	Log #761049
3M Developer R	CEG
Solvent is 65% H ₂ O, 35% ethyl n-butyl ketone.	

Minnesota Mining & Mfg. Co. 3M Fast Bond 10 Contact Cement 90% acetone, 6% toluene, 4% petroleum naphtha.	Log #641293 LWB
Minnesota Mining & Mfg. Co. 3M Filmac, Activator Contains acetic acid, silver, sodium sulfite. pH = 5.	Log #660487 LWB
Minnesota Mining & Mfg. Co. 3M Fluorinert FC-77 Isomeric perfluorocyclic ether - probably perfluorocyclooctylether.	Log #740503 LWB
Minnesota Mining & Mfg. Co. 3M Scotch-Cal Thinner This solvent is a mixture of hydrocarbons. No halogenated products are present. A trace of water is present; the lowest boiling component. Decalin is present and same aromatic components - up to 40% of the total. Remainder is a kerosene-like mixture. Boiling range 150-175°C.	Log #640200 ROM, TAL
Minnesota Mining & Mfg. Co. 3M Scotchcast Silicone rubber.	
Minnesota Mining & Mfg. Co. 3M Scotch Grip Contact Cement #1357 Flash point < 16°F.	Log #774191 WE
Minnesota Mining & Mfg. Co. 3M Scotch Grip Contact Cement #2210 Solvents are acetone, toluene and hexane. The cement is gum resin and neoprene.	Log #770114 CEG
Minnesota Mining & Mfg. Co. 3M Scotchlike 700 Finisher 35% acetone, 35% MEK; remainder is trace volatiles including a freon MF propellant.	Log #630407 ROM
Minnesota Mining & Mfg. Co. 3M Speed Desensitizer 10% isopropanol, 40% n-propanol, 50% water.	Log #641253 LWB
Minnesota Mining & Mfg. Co. 3M-77-Spray Adhesive Contains as solvents a mixture of petroleum ether and xylenes.	Log #730136 CEG

Minnesota Mining & Mfg. Co.

3M Thermofax Activator

Contains silver, acetic acid, sodium sulfite or bisulfite or thiosulfate. Probably contains hydroquinone or paraminophenol derivatives.
pH = 5.

12/19/62

TAL

Mione Waterless Hand Cleaner

12.5% H₂O, ~ 70% paraffin hydrocarbon,
~ 3% lanolin, ~ 8% soap and detergents,
< 5% triethanol amine, < 1% perfume.
pH of 1% soln = 7.4.

Log #701767

CEG

Miracle Black Magic Adhesive

Flash point < 41°F CC, DC.

Mirid Lens Cleaner

5-10% isopropanol and balance water; pH = 7.1.

Log #691348

CEG

ML-4 Separating Film

Methyl alcohol and methylene chloride.

MN 150 Photoresist

Contains mixed xylenes. C≡N group present.

Log #774187

Mobay

Mondur

Mondur CB: TDI + trimethylolpropane
Mondur C: 9% TDI
Mondur CA: 2% TDI
Mondur E: Ethyl isocyanate
Mondur HX: Hexamethylene diisocyanate
Mondur TDS: Tolyene 2,4-diisocyanate
Mondur O: Octadecyl isocyanate
Mondur P: Phenyl isocyanate
Mondur TM: Trimethylmethane triilocyanate

Mobay

Multrathane

Multrathane M: p,p'diphenylmethane diisocyanate.
Multrathane N5: 1,5-napthalene diisocyanate.

Mobilcer

Wax emulsion binder.

Mobile DTE-Light

Aliphatic hydrocarbon.

Log #722798

CEG

Mobil Mist #27

Aliphatic hydrocarbon ester. No halogens
or water present.

Log #712562

CEG

Mobil Oil Solvac 1535G No nitrites detected.	Log #762314 CEG
Mobiltherm Quenching Oil Fire point 370°F; flash point 347°F.	3/22/62 RM
Mocoa Synthetic Oil Contains esters and substituted benzenes. No nitrates detected.	Log #773495 WE
Mogul Pb-550 Paint Stripper Sodium phosphate and caustic soda; pH = 10.75.	Log #650348 LWB
Molecular Sieves Alkali metal aluminosilicates (similar to natural clays and feld spars). (Linde information sheet.)	
Monnex #5 44,000 Contains Fe, Mg, Si, Al as elements (talc - magnesium aluminum silicate).	12/19/72 CEG
Monoplex Polystyrene resin.	
Monsanto Co. Therminol 55 Material is mixed terphenyls.	Log #772714 CEG
Monsanto Corp. Therminol T-66 Contains modified terphenyl.	Log #773927 WE
Montgomery Ward & Co. Crown Degreaser Contains 17.2 vol. % isopropyl alcohol in petroleum distillate (kerosene) mixture. Not halogenated; propellant unknown. Boiling point 70°C - 160°C. Flash point 60°F CC, 2/5/63 MC.	Log #630063 TAL
Morton's White Crystal Rock Salt Contains 98.31% sodium chloride and 1.69% sand.	Log #730802 CEG
Multilith Blankrola Solvent 38.5% perchloroethylene in petroleum naphtha. Flash point - 107°F CC 628.9 mm Hg, 108°F OC 628.9 mm Hg.	Log #650713 GE, LWB

Multilith Deletion Fluid Methylene chloride.	Log #641523 LWB
Multilith Platex Glycerine + H ₂ O; nickel ammonium phosphate + nickel ammonium nitrate.	Log #641521 LWB
Multilith Simflo Fountain Glycerine + nickel ammonium phosphate + nickel ammonium nitrate + H ₂ O.	Log #641516 LWB
Multilith Stop Bath Organic acid; substituted phenolic acid. Acid equivalent - 4.95N; pH = 0.4.	Log #641261 LWB
Multilith Stop Etch Gives test for substituted phenolic acid. pH less than 2; concentrated pH less than 1 strong acid.	Log #630386 TAL
Murexide Ammonium purpurate.	
Mycalex Mica-lead borate.	

Nacconal

Alkylaryl Sulfonates

Nacconate 65

65% 2,4 - toluene diisocyanate
35% 3,6 - toluene diisocyanate

Nacconate 80

80% 2,4 - toluene diisocyanate
20% 2,6 - toluene diisocyanate

Nacconate 100

2,4 - toluene diisocyanate

Nacconate 300

Diphenylmethane - 4,4 - diisocyanate

Nacconate 310

Resin, diisocyanate

Nalclean 943

Contains trisodium phosphate, sodium carbonate,
sodium bicarbonate, and soap.

Log #713877
CEG

Nalco Chem. Co.

Nalco 19 Sulfite

Tech. Na_2SO_3 ; 65% Na_2SO_3
17% NaCl
Balance Na_2SO_4 , H_2O

Log #672864
JPG

Nalco Chem. Co.

Nalco 21 M Microbiocide

Tech. Sodium pentachlorophenolate
($\text{C}_6\text{Cl}_5\text{O}^- \text{Na}^+$)

Log #672870
JPG

Nalco 21-S

Chlorinated phenolic

Log #661285
JPG

Nalco 25L Microbiocide

10% solution of aliph. org. agent (amide?)
in low-boiling alcohols

Log #672871
JPG

Nalco Chem. Co.

Nalco 39 Non Chrom

37.7% NaNO_3 ; 32.4% $\text{Na}_2\text{B}_4\text{O}_7$; 22.5% NaNO_2 ;
25 ppm Cu ; <5% surface active agent;
<1% coloring additive

Log #672866
JPG

Nalco-39 Pellet	Log #641344
45% inorganic as oxides, carbonates	JPG
Na B Si major constituents; Al Ti	
minor constituents, V, Cu, Mg trace constituents.	
Elements not detected <.1% Pb, Fe, Cr, Co,	
Mn, Ni, Sb, Bi, Ba, K, Ag, Zr	
 Nalco 205	Log #661284
Kerosene base brominated hydrocarbon	JPG
 Nalco Chem. Co.	Log #672867
Nalco 205 Microbiocide	JPG
Unidentified, probably a Di-N subst. arom.	
amine	
 Nalco #205	Log #715590
Product is brominated kerosene	CEG
 Nalco 207	Log #661287
Mfgr - 10% methylene Bisthiocyanate	JPG
90% Inert	
IR verification	
 Nalco Chem. Co.	Log #672872
Nalco 237 Bactericide	JPG
Tech. Na_2CrO_4	
Assay: 11.46% Na	
20.61% Cr	
65% Na_2CrO_4	
 Nalco 295	Log #661286
Aliphatic sulfonic acid	JPG
 Nalco Chem. Co.	Log #672872
Nalco 295 PH Control	JPG
Tech. citric acid	
 Nalco Chemical Co.	Supplier Informati
Nalco 356	
Contains cyclohexylamine and morphaline.	
 Nalco Co.	Log #772727
Nalco 356	CEG
Material is 65% ethylene diamine/35% unknown	
primary amine.	

Nalco Chem. Co. Nalco 356 Amine Mixture of two short-chain primary amines; 65% ethylene diamine ($\text{H}_2\text{N}-\text{CH}_2\text{CH}_2-\text{NH}_2$) 35% unknown pri. amine	Log #672865 JPG
Nalco Chem. Nalco 390 4.5% Na, 4.5% Zn, polyglycol ether surface active agent	Log #672834 JPG
Nalco 390 Phosphate Contains ions Zn^{++} , Na^+ , sulfate, thiosulfate and phosphate	Log #692377 CEG/EG
Nalco Chem. Co. Nalco 718 Phosphate Tech. Na_2HPO_4 26.6% Na 17.8% P 610 ppm Fe 70% Na_2HPO_4	Log #672863 JPG
Nalco Chem. Co. Nalco 751 Organic Antifoam Tech. sodium alkyl benzene sulfonate	Log #672868 JPG
Nalco Chem. Co. - Chicago, IL Nalco #753 42.5% Na_3PO_4 5% oxyethylated alcohol (biodegradable surface active agent); 52.5% NaOH	Log #680879
Nalco Chem. Co. Nalco #755 62% NaOH; 38% oxyethylated alcohol (biodegradable surface active agent)	Log #680880
Nalco Chem. Co. Nalco 820 Polyphos 9% Na_2HPO_4 ; remainder is Na salt of a surface-active agent (organic)	Log #672869 JPG

Nalco Co., Chicago, IL
Nalco 7325 Water Treatment

Material is an organo-tin compound in an
aliphatic hydrocarbon solvent.

Log #740719
CEG

Nalco 7350

Material is a water-soluble primary amine.

Log #772715
CEG

Nalco Chloro-phenate Boiler Compound
Also a polyphosphate.

Napco Chemical

Lockfoam A-210-R Accelerator (T Component)

Tolylene diisocyanate. Gives off carbon
dioxide and cyanic acid when mixed with resin.
Contact with moisture causes the formation
of amines and polyurethanes. R component is
a polyester, relatively harmless. Use isopropyl
alcohol to clean up spills.

Naptha Cleaner

40% methyl chloroform + 60% naphtha cleaner 95°F
20% methyl chloroform + 80% naphtha cleaner 119°F
10% methyl chloroform + 90% naphtha cleaner 109°F

Log #650913
GE

National Aniline Corp.

Methyl Malic Anhydride

Malic acid adduct of phthalic anhydride.

National Chemsearch Corp.

SS-25 Ready-To-Use Solvent Degreaser

12% dichloromethane, 88% petroleum naphtha.
N_D 1.4405; boiling point 90-115°C; flash point
for petroleum naphtha 40°C.

10/3/61
JE

National Chemsearch Corp.

SS-25 Solvent Degreaser

10% methylene chloride, 90% petroleum naphtha.

Log #650411
LWB

National Lead

Barinal

Barium Ricinoleate - a primary plastisol
system stabilizer.

National Lead Co.

Bentone 34

Organophillic Bentanite - a flow control agent
for plastisols.

National Lead Co.

Dyphos

Lead Monohydrogen phosphite weathering
stabilizer for vinyl chlorides.

National Lead Co.

Nalcosol TH 53 & TH 48

53% toluene in petroleum distillate hydrocarbon
mixture. TH 53 5% toluene, rest similar to TH 48.
Boiling point 50-70°C; toluene flash point 6°C.

11/29/61

JE

Nashua 2400 Toner

Acrylic resin with carbon black.

Log #690262

EG

Naugatuck Chemical Co.

Vibrin

Polyester styrene.

Neogard Corp. (Jones Blair)

Neogard 7013 White Hypalon

Solid material is neoprene elastomer. Solvent
is xylene.

Log #752516

CEG

Neozone A

Phenyl-alpha-naphthylamine.

Neozone D

Phenyl-beta-naphthylamine.

Neutra-Clean #7

pH when cold = 7-8, pH at 160°F = 7-8,
pH at 205°F = 7-8; no fumes or noxious
smell (120 oz/gal H₂O).

Log #641345

JPG

Neutra-Clean E-7

10% sodium thiosulfate, less than 1% sodium
sulfate, a trace of wetting agent and the
balance sulfamic acid. Gives off sulfur
dioxide when made acid at 150°F.

Log #661757

JPG

Neu-Tri

Trichloroethylene.

New England Tape Co.

Adhesive 11-9(SCS-11)

Vinyl plastic in solution composed of 60% cyclo-
hexanone and 40% tetrahydrofuran.

New Mexico 1st Quality Paint Co. Interior-Exterior Semi-Gloss Enamel, White Contains aliphatic hydrocarbon solvent. Boiling point 190°-240°C. No aromatic or chlorinated solvents.	Log #771408 CEG
Ney-Oro-"G" Wire Gold, platinum, silver and copper.	
Nicusil < 0.05% Cd.	Log #661526
Nipx Poly glycols (thickens); catalyst - dibutyltin dialaurate; propylene glycol.	
North American Mogul Products Co. Mogul PB-592 pH of 1% solution = 12.8. Emission shows Na, Ca, Si as major elements. No phosphates. Possibly tech. grade NaOH, also has insoluble silicates. Also contains calcium probably as hydroxide.	Log #750255 CEG
Nu-Coil Compound A scale-removing cleaning compound.	
Nu-Coil 40 Dinonyl phthalate.	
Nyclad #584 Stripper A U.S.P.X. mixture of isomeric cresols; otherwise named "creotex" or creosote oil. Poison and vapor hazard - 5 ppm MAC.	Log #630875 TAL
Nylon Polyamide.	

Octagon Process, Inc., Edgewater, NJ Cleaning Compound Chlorinated petroleum distillate. Flash point 185°F at 626.9 mm Hg.	Log #650809
Octagon Process Inc., Edgewater, NJ Duplicating Fluid #9800 95% CH ₃ OH, 5% carbitol. "7510-272-9800 Direct Process Spirit Type O-D-825B AMI Type II GS-005-40617." $N_D = 1.3439(18)$; flash point 50°F OC; flammability 20-70°F.	Log #670254 LWB
Octagon Process, Inc., Edgewater, NJ Duplicating Fluid #9802 95% ethyl alcohol, 5% CH ₃ OH. "Contains methyl alcohol." "7510-272-9802 Direct Process Spirit Type OD-825B AMI Type I GS-005-40617." Flash point 58°F OC; flammability 20-70°F; $N_D = 1.3637(18)$.	Log #670255 LWB
Odell, M. P., Co., Cleveland, OH San-Del #2 Tech. Cleaner Cone Material is a syntehctic detergent. Contains P, Na, Si, probably as various compounds such as trisodium phosphate, sodium silicate, etc. pH of conc. soln. = 9.	Log #742968 CEG
Old Town Corp., Brooklyn, NY Carbon Paper Cobalt Blue Process Mostly organic dyes, wax binders and carbon black. No organic volatile solvents or inorganic toxic materials were found.	Log #641137 JPG
Old Town Corp., Brooklyn, NY Cobalt Blue Process Fluid 95% CH ₃ OH, 5% carbitol [TNI 95% CH ₃ OH + (glycol ether + H ₂ O) 5%]. $N_D = 1.3476(18)$. "Contains methanol." Flash point 54°F OC; flammability 20-70°F.	Log #670253
Ortho Leaf Polish Bomb (1/2 pt. aerosol can) Three component mixture containing 90-95% isopropyl alcohol; two low boiling traces plus a fluorocarbon propellant.	Log #630068 TAL
Ozalid Mylar Cleaner pH 7.2	Log #630600 TAL

Packwood, G. H., Mfg. Co.

Log #672514

Pax Calgon #3

JPG

2.75% lanolin, minor borax, minor silicates,
fair spectral purity, pH of 1% slurry - 9.6;
% insoluble in 1% slurry - 50%. Odor - soapy,
strong; particle size uniformity - fair; dust
generation when poured - some.

Paint Thinner

Usually a hydrocarbon such as turpentine,
hydrogenated naphthalene or some relatively
nonvolatile petroleum fraction; flammable
vapor hazard.

Paint Thinner Reducer #8

Log #661504

100% toluene; flash point 52°F OC.

JPG

Paint Thinner - T831 Dual Purpose

Log #661503

35% acetone, 5% methylethyl ketone, 10%
n-butyl alcohol, 15% toluene, 20% petroleum
naphtha and 15% cellosolve acetate. Flash
point less than 18°F OC; flammability < 20°F.

JPG

Pale Kavri Resin

A lacquer - forms a hard film.

Paliney Metal

A mixture of noble metals, including copper,
nickel, rhodium, palladium, platinum, gold
and silver.

Palmer Co.

Log #772712

UCC Chemical & Plastic

CEG

Material is a silicone oil.

PAPI

Isocyanate mixture, hardener for polyurethane
foam resins.

Paraffin Wax

Flammable material and moderate fire hazard.

Parker Unipor Compound

A thread and gasket compound.

Peck's Product Co.

Log #721956

Pepco #415 Hand Soap

CEG

No lanolin or lecithin detected. Emission shows
B, K, Na, Al, Si. Probably in the form of soap,
pumice and borax. pH of 1% solution = 7.9.

P & E Cleaner 3.6% HCl, 7.2% oxalic acid, trace detergent, trace deodorant, balance water.	Log #680053 JPG
Pelargonic Morpholide Relatively non-toxic, but highly irritating to the eyes and respiratory tract. Estimated maximum safe inhalation dose = $\frac{50 \text{ mg-min.}}{m^3}$. No ill after effects.	
Penn Scientific Product Co., Abington, PA Spectrum Diamond Lapping Oil Material is an ester based aliphatic hydrocarbon oil.	Log #762659 CEG
Pershing Tube Mock HE Si, Cu, P only elements detected.	Log #770578 CEG
Petrosul Grease.	
Phillips Petroleum Co. All Seasons Motor Oil Material is an aliphatic hydrocarbon oil.	Log #772726 CEG
Photo-Foil Etching Powder Potassium hydroxide.	
#747 Photoresist Contains mixed xylenes. C≡N group present.	Log #774189 WE
#747 Photoresist Developer Contains mixed xylenes and aliphatic hydrocarbons.	Log #774184 WE
#1350 Photoresist Developer Nitrites present, mainly H ₂ O.	Log #774185 WE
#1350 J Photoresist Functional groups: ester, C≡N, high H ₂ O content.	Log #774186 WE
Pilot B Plastic Polyvinyl toluene.	Log #661686 JPG
Pink Glow Cleaner for Bowl & Porcelain 51.2% H ₂ O, 20.8% PO ₄ ³⁻ as H ₃ PO ₄ , ~ 7% soaps and detergent, ~ 21% high boiling (> 200°C) hydrocarbon mixture. pH of original = 1.25.	Log #715109 CEG

Pittsburgh Paint Co. Interior Alkyd Enamel LoSheen #54-21 Mixture of aliphatic hydrocarbons and xylene.	Log #761171 CEG
Pittsburgh Paint Co. Paint & Varnish Remover 58% CH ₂ Cl ₂ by volume + high boiling viscous liquid. Flash point 84° ± 10°F CC (Log #640340, ROM).	Log #640335 ROM
Pittsburgh Paint Co. Paint & Varnish Remover (75-10) 77.8% methylene chloride, 18.1% methanol, 4.02% dichloroethane in a paraffin wax base.	Log #692603 CEG
Pittsburgh Paint Co. Selectron Unsaturated polyester resins.	
Pittsburgh Paint Co. Wallhide Semi-Gloss Enamel Interior 27-109 White Contains aliphatic hydrocarbon solvent; boiling point 130°-210°C; no aromatic or chlorinated solvents.	Log #771407 CEG
Plastic Bonded Explosives See nitrocellulose, chloroethylphosphate, trimethylenitrinitroamine, and tetramethylene- tetranitroamine.	
Plast-I-Kleen (Plastic Cleaner) Nontoxic, a liquid detergent.	Log #641339 LWB
Plast-X-Cote Paint Part A - volatiles unknown, contains pine oil; major components - a vinyl epoxy compound; vinyl epoxy material.	11/13/63 TAL
Plibond #30 Cement 30% solids dissolved in methyl ethyl ketone.	
Pliolite Styrene-butadiene rubber.	
Pluracol TP Polyglycol - flexibilizer.	
Polyophen Phenolic resins.	

Polyox Resin

A water soluble resin; contains ethylene oxide.

Poly-Prep

Primer, polyethylene treating; contains

H_2SO_4 .

Polystyrene O, Dope Thinner

Flash point < 41°F CC.

Prepolymer Mix

Toluene diisocyanate and castor oil.

Price Research Ltd., Kansas City, MO

Log #661805

Uniclean

LWB

90% 1,1,1-trichloroethane, 10% methyl

phenyl polysiloxane. TLV 350 ppm;

flammability > 200°F.

Price Research Ltd., Kansas City, MO

Log #770083

Uni-pol Light Duty Linoleum Cleaner

CEG

Contains 35.6% water and 64% kerosene with
a trace of wax and 0.3% soap. GSA Item No.

7930-579-8631. Flash point 190°F or 87°C
OC.

Products Research Co.

PRC

Epoxy sealants.

Products Research Co.

PRC Hardener

Synthetic rubber sealing compound.

Pro-Seal

Polysulfide sealer.

PSI-10 Aerosol

Log #691494

Hydrocarbon oil plus a freon gas propellant.

LWB

Pyrene G-1

Powdered graphite.

PZT Ceramic

Lead oxide, titanium oxide, zirconium oxide,
and niobium oxide. Made in Building 840.

Quickmount Liquid

Epoxide structure with non-conjugated
double bond, probable carbonyl group.
Sp. Gr. = 0.9775 @ 22°C. Ind. Ref. =
1.4165. Boiling point 93°C.

Log #630349
TAL

Quietrol Cleaner & Lubricant

95+% 1,1,1-trichloroethane ± 5% light oil
and coloring agent.

Log #630388
TAL

Quietrole Cleaner & Lubricant

95% 1,1,1-trichloroethane, 5% light mineral
oil + red color agent.

Log #680878
LWB

Quixae

5 gallon methyl alcohol, 100 gallon ethyl alcohol.

Radio Service Solvent 5% ethanol, 35% isopropanol, 35% ethyl acetate, 20% isobutyl acetate.	Log #660709 JPG
Ram Chemicals Inc., Gardena, CA Desolv 292 Dichloromethane (methylene chloride) and an organic dye base; 500 ppm. Used to soften epoxy for stripping. Ref: N. J. DeLollis, 1112-2.	4/7/64
Raychem Flamtrol 12 AWG TCW-600V 90C 1976. Copper wire Pb, Fe, Sb, Si in wire coating.	Log #772597
Ray K-12, Ray K-16 Dielectric Blocks Major constituent TiO_2 ; minor constituent Si, P; traces of Al, Fe, Mg, V, Sn, B, Cd, Ca, Cu.	Log #641262
R Developer Contains 85% solvent (70% H_2O and 30% 3-heptanone), 15% residue.	Log #740585 LWB
Recordak Dacomatic 526 Bleach Product #4360 Contains sulfuric acid, potassium fericyanide and potassium dichromate.	Log #713376 CEG, EL
Recordak Dacomatic 526 Clearing Bath Product #4348 Contains ammonium hydroxide, sodium or potassium hydroxide. Mostly water; pH = 10.0.	Log #713375 CEG
Recordak Dacomatic 526 First Developer Product #4346 Contains sodium sulfite, hydroquinone, sodium hydroxide, potassium bromide, sodium carbonate; pH = 13.4.	Log #713373
Recordak Dacomatic 526 Redeveloper Product #4349 Contains sodium sulfite, sodium hydroxide, KBr, Na_2CO_3 and hydroquinone; pH = 13.6.	Log #713374 CEG
Recordak Monobath 40 Sodium thiocyanate, sodium sulfite, paraphenylenedi- amine (caustic, skin irritant) or parahydroxyphenyl glycine (or derivatives). May contain potassium bromide. Aqueous pH = 9.	12/19/62 TAL
Reducer (for T831 Thinner) 100% toluene; flash point 52°F OC.	Log #661504
Relton Corp., Arcadia, CA Rapid Tap Cutting Fluid 92% 1,1,1-trichloroethane, 7.5% hydrocarbon oil, 0.5% aliphatic ester.	Log #692939 LWB

Resistor Paste PPL-4 Contains 8.26% Tl. Resin insol. in DMF, acetone, CCl ₄ , benzene, ether, ethanol. Resin insol. in H ₂ O, 2NHNO ₃ . Brown amorphous mass.	Log #681391 CEG
Revere Ice-Melter Major constituents AlCl ₃ , CaCl ₂ , NaCl, trace BaCl ₂ . All components anhydrous, producing heat when allowed to come into contact with H ₂ O or ice. White rounded pellets.	Log #641415 JPG
Rex Corp. Rexilite 1422 Plastic, contains styrene monomer. When turning the hardened product, a coolant is recommended.	
Rezolin R-72 S An acid cured phenolic resin. Acid may be either toluene sulfonic or benzene sulfonic. Chips are corrosive to tools.	
RF-300 Resin Formulation Contains pet. ether. Major component is n-hexane (52.3%). Minor components (4) are a mixture of hexane or pentane isomers.	Log #700038 CEG
Rigidex High density polyethylene.	Log #693019 LWB
Rohm & Haas Paraplex Polyester resins.	
Rogers Molding Compound A diallyl phthalate resin containing glass fibers of varying lengths. Hardener is a peroxide which is incorporated in the resin and cures under heat. No mixing is involved.	
Roller Cleaner #360 20% methyl chloroform + 80% petroleum naphtha (aliphatic); flash point 92°F.	Log #650518
Rollerwash Contains aliphatic hydrocarbons and tetra chloroethylene.	Log #772610 WE, CEG
Rotanium Belt Grip Contains mineral oil, 1,1,1-trichloroethane and a benzoate as preservative. The propellant is 1,1,1-trichloroethane and the "liquid" is mineral oil.	Log #690324 CEG

Rotax

Mercaptobenzothiazole.

RTV Silicone Rubber

Silicone rubber and acetic acid.

Log #651100

LWB

Rustlick Inc.

Rustlick G25AH

Contains nitrites.

Log #762315

CEG

Rustlick Inc.

Rustlick G25AH

Teritiary amines with unknown diazonium salts
(R - N $\equiv$ N). pH of undiluted material is 9.5.

Emission spec. shows the elements Na, Si, Fe, Mg.

Log #770102

Saco Electrical Cleaner #37 2% methylene chloride, 7% 1,1,1-trichloroethane, 1% tetra chloroethylene, 90% petroleum distillate of the kerosene range.	Log #641121 LWB
SAE #10 Lub. Oil Flash point 445°F (DC).	
SAE #20 Lub. Oil Flash point 460°F OC (DC).	
SAE #30 Lub. Oil Flash point 470°F OC (DC).	
SAF Acid The anion is sulfate (SO_4^{--}); pH = 1.2. One gm of acid required 95 ml of 0.1 N NaOH for neutralization.	Log #650044 LWB
Sandeze Solvent A solvent used in Area V. Impure mixture of ethanol ($\text{C}_2\text{H}_5\text{OH}$) and methyl acetate, plus 3 impurity fractions of higher boiling point.	Log #640173 ROM, TAL
Savogram Co., Norwood, MA Kutzit Paint stripper; acetone, methyl alcohol and more than 15% benzene; flammable and toxic.	
SBS-30 Waterless Hand Cleaner 8.3% H_2O , ~ 75% paraffin hydrocarbons, ~ 3% lanolin, ~ 8% soap and detergent, < 5% triethanolamine, < 1% perfume. pH of 1% soln = 7.15.	Log #701766 CEG
SBS-30 Waterless Skin Cleaner Composed of glycine, fatty acid esters, water and lanolin. pH of 1% soln = 7.15. (Breakdown same as above).	Log #691621 CEG
SBS-40 Medicated Skin Cream Composed of a silicone oil and fatty acid ester. Also contains water and lanolin.	Log #691619 CEG
SBS-40 Medicated Skin Cream 2.6% triethanol amine, 0.09% lanolin.	Log #770833 CEG
SBS-41 Medicated Skin Lotion Composed of a fatty acid ester, lanolin, water and glycine.	Log #691620 CEG

SBS Vegetable Base Hand Cleaner #11 Contains Si, Mg, Na, Ca, Fe, K; pH = 8.	Log #760879 CEG
Schnee-Morehead Chemicals, Inc., Irving, TX Acryl-R #5505 Seam Sealer Acrylic ester plus xylene (< 3%).	Log #771256 CEG
Se Rectifiers	
641397-99 Washers (3) New - H.D. (< 0.1 mg Se)	
641400-02 Plates (3) New - Avg. 349.6 mg Se	
641403-05 Units (3) New - Avg. 364.5 mg Se	
641406-08 Washers (3) Burned Avg. 10 mg Se	
641409-11 Plates (3) Burned Avg. 317.6 mg Se	
641412-14 Units (3) Burned 320.6 mg Se	
Shaklee Algicide Concentrate Triethanolamine hydrochloride; pH (water solution) = 6.0	Log #670430 JPG
Shaklee Basic I Cleaner Unreacted alkali (diluted solution) - 0.25 ml of 1 N H ₂ SO ₄ . pH concentrate = 11.4; pH diluted 1 oz/gal = 10.1.	Log #641346 LWB
Sharp Black Carbon Paper Mostly organic dyes, wax binders and carbon black. No organic volatile solvents or inorganic toxic materials were found.	Log #641139 JPG
Shell Oil Co. DIALA "AX" Transformer Oil Contains aliphatic hydrocarbon oil. No elements detected, no silicone detected.	Log #772246 CEG
Shell Oil Co. Epon Curing Agent "Z" Material is epoxy resin of diphenyl propyl amine. Hardener is a curing agent composed of p-phenylene diamine and 2,3,5-tri(dimethylamine) methyl phenol.	Log #752049 CEG
Sherwin Williams Acrylic Lacquer Thinner S7K248 Contains 24.4% toluene; 56.3% ethyl acetate; 19.3% alcohol.	Log #740376 CEG
Sherwin Williams Dypol Polyester resin.	

Sherwin Williams
Paint Thinner
Contains Xylene.

Sherwin Williams
"Sher-Cool" TMFC-90
Contains nitrites and amines.

CEG

Shipley AZ Resist 1350
11% propyl alcohol, 36% propyl acetate, 53%
polyacrylonitrile and amide plastics.

Log #651320

Shipley AZ Resist 1350
+3.8% n-propyl acetate, 0.9% isopropanol,
37.6% cellosolve acetate, 4.7% n-propanol,
53% polymethyl acrylate plastic.

5/16/68

Shipley AZ 1350 H Azoplate
Inorganic - Na. Solvent - ethylene glycol
monomethyl ether acetate. Plastic - polyacrylamide
and isoprene copolymer.

Log #702388
CEG

Shipley LT 26 Tin
Contains Sn, Mg, Na, P. Sn, P - major;
Mg, Na - minor.

Log #751969
CEG

Silastic 140 Adhesive
Silicone rubber + acetic acid as possible
curing agent.

8/5/65

Sil-Bond
Silver Brazing Alloy
#45(0.062)22.6% Cd.

Log #660531

Silver Solders
Silverloy 355 - 0.1% Cd
Silverloy 50 - 17.8% Cd
Easy Flow Wire 1/32 - 30.1% Cd
Easy Flow Sheet - 21.0% Cd
Sil-Bond 45 Wire (.062) - 22.6% Cd
Aircasil 45 - 23.3% Cd
Allstate 105 - 98% Cd
Incusil 10 - less than 0.05% Cd
Nicusil 3 - less than 0.05% Cd
Allstate 430 - less than 0.05% Cd

Silver Q Flux
0.0043% F⁻

Log #660679
JPG

Sinclair "Strip-Clean" 171 70.8% methylene chloride, 25.7% methanol, 4.5% 1,2-dichloroethene; in a paraffin wax base.	Log #692583 CEG
Smith Corona Copier 111 Toner Emission shows carbon only. Infrared shows only a mixture of aromatic and aliphatic hydrocarbons. Black material in suspension is carbon black.	Log #711270 CEG
Smith Corona Marchant Microstatic Replenisher and Copy Fluid Copy Fluid - aliphatic organic mixture containing some primary or secondary alcohol; no aromatic, no halogen and no water (6 or 7 components). Microstatic Replenisher - Same as above, but with aromatic coloring agent of low composition temp.; indicates posttest for pri-sec alcohol, neg. halogen and neg. H ₂ O. Color agent 10% (v/v) of total. Boiling range 136.4-147.5°C.	11/19/62 TAL
Smith Corona Marchant Stat Dispersant-B High boiling aliphatics (mineral spirits). Flash point 117°F OC.	Log #680355
Smith Corona Marchant Toner Mix Material is an aliphatic hydrocarbon mixture with carbon black.	Log #741122 CEG
Snopake Fluid Volatile fraction contains 5 low boiling components in trace amounts, plus toluene. The residue is hard, dry white pigment - like dried paint.	Log #631049 TAL
Snopake Thinner & Brush Cleaner Toluene is solvent.	Log #621044
Soap Powder (Orange colored) pH = 10.8; acid equivalent = 6.65 ml of 1 N H ₂ SO ₄ /gm soap.	Log #650043 LWB
Solox Shellac and paint solvent consisting of ethyl and methyl alcohols.	
Soluvac Water Soluble Oil Hydroxy aliphatic hydrocarbon ester. No halogens present.	Log #712561 CEG

Solvasol

Solvasols 1-6 are naphtha (petroleum) first grade. The second grade, Solvasols 73-75, are high power solvent naphthas. Flash point 121°F CC.

Solventol - Powdered Toilet Soap

Meg. alkali = 28.76 ml 1 N H₂SO₄/gm of soap.
pH 8.8.

Log #641260
LWB

Sour

Ammonium silicofluoride. Used in radioactive decontamination rinses.

Sparkle Window Cleaner

Ammonium bifluoride (acid amm. fluoride); see amm. fluoride.

Speed-O-Print Business Machine Corp., Chicago, Ill.

Spirit Duplicating Fluid

CH₃OH. SBM #2500 "Fluid Pak . . . for all liquid duplicating machine." "Contains wood alcohol (methanol)." $n_D = 1.3290(18)$; flash point 52°F OC; TLV 200 ppm; mg/m³; flammability 20°-70°F.

Log #670249
LWB

Spot Remover

49% (vol.) toluene, 47% (vol.) carbon tetrachloride, 3% (vol.) unknown trace constituent (high boiling).

Spra Kleen (Electrical Contact Cleaner & Lubricant)

95% methyl chloroform, 5% methylene chloride, trace oil, trace odorant, propellant Freon 12.

Log #730859
LWB

Spray Mist

Aqueous solution - H₂O distills leaving colored residue. pH = 10.0 solution, 9.3 distillate, 10.0 residue.

Log #630031
TAL

Sta-Coat

8% hexachlorophene, 2% detergent, trace deodorant and the balance water.

Log #661645
JPG

Staeh, Wm. M., Co. Inc.

Hg X Mercury Decontamination

50-60% sodium thiosulfate, balance is sodium dithionate (Na₂S₂O₆).

Standard 100-Petroleum Distillate
Boiling point range 53-175°C.

Log #722799
CEG

Staramic
Starch base binder.

Starch
Has been known to cause allergic symptoms
in humans.

Stat-King Processing Solution - Black Label
11.6% thiosulfate; sodium sulfite.
Aluminum hardener; pH = 6.9.

Log #690019
CEG

Stat-King Processing Solution - Green Label
Hydroquinone, sodium sulfite in highly alkaline
solution (OH^- , $\text{CO}_3^{=}$); pH = 12.9.

Log #690017
CEG

Stat-King Processing Solution - Orange Label
35.4% thiosulfate; sodium sulfite.
Aluminum hardener; pH = 5.4.

Log #690020

Stat-King Processing Solution - Red Label
Contains 0.71% acetic acid, sodium sulfite,
sodium acetate. pH = 3.1.

Log #690018
CEG

Stat-King Replenisher
Hydroquinone, thiosulfate, carbonate.
pH = 10.6.

Log #690021
CEG

Steelcote Mfg. Co., St. Louis, MO
Steelcote Concrete Floor Seal

Log #680233
JPG

Solvent mixture (65%): 14% low-boiling aliphatic
H-C mixture ($< 120^\circ\text{C}$); 10% medium-boiling aliphatic
H-C mixture ($120-160^\circ\text{C}$); 10% high-boiling aliphatic
H-C mixture ($> 160^\circ\text{C}$); 8% toluene, 16% p-xylene,
10% o-xylene, 15% 1,3,5-trimethylbenzene (mesitylene),
16% 1,2,4-trimethylbenzene (pseudocumene). No benzene,
cumene, p-cymene.

Steelcote Concrete Floor Seal
~33% linseed oil alkyd resin or soybean
oil resin; ~67% m-xylene + hexane/heptane as
solvents.

Log #720440
CEG

Steelcote EpoLux #100 Coating E-1 White
Curing agent material is a polyamide resin with
toluene and ethylene glycol monoethyl ether as
solvents. Base material is a phenolic ether
resin with toluene and ethylene glycol monoethyl
ether as solvents.

Log #700755
CEG

Steelcote EZ Strip Paint Remover Contains water, ethyl alcohol, dichloromethane and a NaOH suspension containing 0.138 equivalents/l.	1/8/62 JE
Steelcote EZ Strip Paint Stripper 50% (vol) CH ₂ Cl ₂ methylene chloride 15% (vol) propylene dichloride 35% (vol) evap. retardant, emulsifier, and alkaline corrosion inhibitor.	Log #671328 LWB
Steelcote Primer, Thiocalk 826BR Sample - solvent Activator - insufficient sample) Primer - xylene Thiocalk 826BR - 90% toluene	Log #630355 630356 TAL
Steelcote Stays-On Metal Primer Isopropanol is solvent, resins are polyurethanes.	Log #641394 LWB
Stress Coat CS ₂ - 56.8 wt. %, 52.6 vol. %. Natural resin - 43.2 wt. %, 47.4 vol. %.	Log #67699 JPG
Styrafoam Polyethylene.	
Sue Prée Honey & Almond Lotion No cyanides, no peroxides; odor due to cinnamaldehyde-type olefin hydrocarbon. Vapor pressure @ 100°F - not noticeable.	Log #673348 JPG
Superwish - Contact Cleaner and Lubricant Contact cleaner and lubricant; contains no carbon tetrachloride - is a mixture of freons.	Log #650273 LWB
Sure-Rite Ditto Fluid No ethanol; 36% by vol. MeOH; flash point below RMT.	10/7/59 JE

Tap Free Contains 1,1,1-trichloroethane and small amount of light cutting oil.	Log #631047 TAL
Tap Free Solvent is 1,1,1-trichloroethane with small amount of cutting oil. Solvent contains no carbon tetrachloride.	Log #631048 TAL
Tap Free Drilling, Cutting, Tapping Compound Major component is 1,1,1-trichloroethane.	Log #630229
Tapmaster 1,1,1-trichloroethane plus inhibitor.	Log #641526 LWB
Techni-Strip Au with Cyanide Major constituent is NaCN, minor constituent is KCN, in an alkaline media.	Log #714445 CEG
Teflon (Fluon) - (CF ₂ = CF ₂) when heated gives off physiologically active fumes; causes illness similar to metal fume fever, sometimes pulmonary edema. Harmless at temperatures below 200°C. Fluoride .05 mg/m ³ .	
Tellus Oil 23 No phenolic compounds present; flash point 312°F @ 627 mm Hg.	Log #650811 LWB
Tempil Corporation Pyromark Black Refractory Paint 20+ high boiling aliphatic hydrocarbons.	Log #772614 CEG
Tetryl Tetralite, trinitrophenylmethylnitroamine 1.5 mg/m ³ . Flammable explosive solid; dangerous fire hazard. Particles can damage eyes, upper respiratory tract and skin. Systemic effects have been reported by tetryl workers.	
Thermofax Belt Cleaner Flash point 51°F CC.	
Thermoflex A.N. Phenyl-beta-naphthylamine.	

Thetford Corporation, Ann Arbor, MI

Aqua Ken #03101

Contains formaldehyde, isopropanol and water.

Log #730886

CEG

Thiokol

Synthetic rubber prepared from 1,2-dichloroethane
and sodium polysulfide. Ref. Inv. Report 12/16/64.

12/16/64

AJ

Thiokol Flexibilizer

A polysulfide resin.

Thixon

Synthetic rubber.

TP

Thiokol polysulfide plasticizer.

Trio

Organic paint thinner, methanol, methylene
chloride, methyl-ethyl ketone plus four other
volatiles in trace amounts.

Log #641038

TAL

Trisec

Trichloroethylene and a cationic surface agent.

Turco - 4101

90% trichloroethylene, 10% inhibitor (unidentified).

7/10/63

TAL

Turco Degreaser XL 202N

Nonhalogenated, aliphatic hydrocarbon mixture.
Gas chromatogram shows at least seven components.
A petroleum distillate fraction. Boiling point
100-160°C.

Log #630060

TAL

Turco Soap

pH = 12

Log #630871

RM

Turco - Solv. Electrical Equipment Cleaner

90% trichloroethylene, 10% inhibitor
(unidentified). Flash point 125°F CC.

7/10/63

Turpentine

Flash point 90°F CC.

8/21/63

MC

Tween

20% polyoxyethylene sorbitan tristearate,
80% polyoxyethylene sorbitan monooleate.

Ultraset Ink 0-1867 Black
No 2-nitro propane found.

Log #772612
WE

Unichrome Paint Thinner 219-ST
Diacetone alcohol in mineral spirits.

Union Carbide
Bakelite AYAC Blend 99-69

Log #714659
CEG

Material is a vinyl acetate resin. Products upon heating: below 500°F - none; at 500°F - acetic acid; at 860°F - acetic acid, CO₂, CO, H₂O.

Union Carbide
ERL-4201

12/4/70
Manufacturer
Information

3,4 epoxy-6methyl cyclo hexamethyl carboxylate.
Carcinogenic, removed from market.

Union Carbide
ERL-4221

12/4/70
Manufacturer
Information

3,4 epoxy cyclo hexamethyl carboxylate.
Mildly carcinogenic on prolonged contact.

Union Rubber & Asbestos Co., Trenton, NJ
Bestine Solvent & Cleaner

Log #680814
LWB

Petroleum distillates (naphtha) 100%.
N_D = 1.3815 (Dial = 18), aliphatic HC's.
Boiling point 67-83°C; extremely flammable.
No aromatics, halogens, sulfides, nitrogen or oxygen. TLV 500 (67) ppm; 2000 mg/m³; rating moderate toxicity. Flash point less than 37°F OC; < 20°F CC; flammability < 20°F.

Union Rubber & Asbestos Co., Trenton, NJ
Bestline Solvent Thinner
Hexane.

Log #700955
CEG

Union Rubber & Asbestos Co., Trenton, NJ
Best Test Cement Dispenser
> 90% hexane; ~ 9% rubber; < 1% benzene or toluene.

Log #700957
CEG

Union Rubber & Asbestos Co., Trenton, NJ
Best Test Paper Cement
Flash point less than 41°F.

Union Rubber & Asbestos Co., Trenton, NJ
Best Test White Rubber Cement
> 90% hexane; ~ 9% rubber; < 1% benzene or toluene.

Log #700956
CEG

U.S. Borax & Chemical Corp.

Log #762212

Luron - Powdered Hand Soap

Borax, lanolin, perfume. Low toxicity
rating. 0.09% lanolin; pH (1% solution 9.19).

Uresolve H.F.

Log #661461

JPG

95% methyl cellosolve (2-methoxyethanol), 5%
potassium carbonate K_2CO_3 , trace potassium
phosphate K_3PO_4 ; pH > 11; flash point 102°F
OC.

Uresolve Plus

Log #680405

JPG

75% 2-methoxyethanol, 15% DMF, 10% DEF.

Vandex	
Powdered selenium.	
Van Faire Lotion	Log #661579
Water based lotion containing pyrillamine maleate and benzalkonium chloride (pyrillamine maleate is an antihistaminic and benzalkonium chloride is a surface germicide). pH = 7.2.	LWB
Van Son	Log #772613
Ink, Litho Black	WE
No 2-nitro propane found.	
Van Wash V-120	Log #772611
Contains acetone, methanol and aliphatic hydrocarbons.	WE, CEG
Vapco Bubble Leak Detector	Log #671302
50% aqueous soap solution, 45% ethylene glycol, and 5% ethylene diamine.	LWB
Varox	
Polyethylene cross-linking agent.	
Velva Sheen Floor Mop Dressing	Log #620729
Unsaturated petroleum distillates.	LL
Boiling point 190°-282°C at 760 mm.	
Miscible with Green's Allsheen.	
Flash point 183°F.	
Velva-Sheen Mop Oil	Log #771195
Contains saturated aliphatic hydrocarbons.	CEG
No amines, phenols or chlorinated hydrocarbons.	
Vending Company Cleaning Fluid	Log #670186
0.0014% Ca, 0.0175% Cl ⁻ , 0.050% OCl ⁻ , 0.065% Na ⁺ , balance is water. The solution is 0.05% NaOCl (0.05% available chlorine). (Chlorox is 5% NaOCl.)	JPG
Versene	
Sodium ethylene diamine tetraacetic acid.	
Vibraclean Antiseptic Hand Cleaner	Log #671331
Refined mineral oil and lanolin - skin conditioner - with trace triethanolamine oleate - surface active agent, methylsalicylate - odorant, diaphene and allantoin - antiseptics.	LWB
Vicap	
Reversible potting compound, epoxy.	

Vicron

Marble dust.

Vikane

Ref. JOM, Aug., 1966, vol. 8, No. 8, p. 425.

Sulfuryl fluoride; use - fumigant. Gas -
slightly soluble. Toxicity rating - high;
TLV 20 ppm; mg/m³ (tentative suggestion).

Vi-Lan Skin Cleanser

9.3% H₂O, ~ 75% paraffin hydrocarbons,
~ 2% lanolin, ~ 5% soap and detergents,
< 5% triethanolamine, < 1% perfume.
pH of 1% soln = 7.3.

Log #701768
CEG

Vimasco Fire Protection Coating 1A

Contains Si, Al, Sb, Mg, Fe, Ca, Na, Ti.

Log #774090
WE

V.O.P. - 88

N,N-dioctyl-p-phenylenediamine.

Wasco Type Ditto Fluid See original for data.	10/7/59 JE
Washorite #2 Contains aliphatic hydrocarbon and tetra chloroethylene.	Log #772609 WE, CEG
Wayclean Copper Brightener Contains anionic synthetic surfactant, sodium chloride, sodium bisulfate. Acidity is due to high percentage of sodium bisulfate. Contains a sodium acid phosphate as a corrosion inhibitor, pH of 1% soln = 2.9.	Log #691996 CEG
Webtex Adhesive Flash point 71°F CC.	
Weedon WD-4 Bug Killer Contains as functional groups: ethyl ester, aliphatic acid, a polychloro phenol, phosphate ester, petroleum oil.	Log #691901 CEG
Welding Rod #7018 Flux contains high amounts of fluorides, chlorides and borates.	Log #761110 CEG
Wellborn Paint Co. Wellborn Thinner 14.5% isopropanol, 26.7% acetone, 3.7% n-hexane, 9.7% MIBK, 45.3% toluene. Flash point 31°F OC.	Log #680361 JPG
Wesgro AL-500 CO ₂ ethylene and trace of formaldehyde was given off at 350°C.	Log #751253 CEG
Wesgro AL-995 CO ₂ ethylene and trace of formaldehyde was given off at 350°C.	Log #751252 CEG
West Chemical Co. West Lan-O-Kleen 3% lanolin, minor borax, minor silicates, spectral purity - fair, pH of 1% solution (slurry) = 9.6; % insoluble in 1% slurry - 55%. Odor - soapy, mild; particle size uniformity - poor; dust generation when poured - none.	Log #672434 JPG

West Chemical Co.	Log #680357
Lan-O-Kleen Plus	
3.3% lanolin, 54% H ₂ O - insoluble, pH of 5% soln = 9.2, contains fluorescein coloring agent. Label specifies bithionol content 2,2'-thiobis (4,6-dichlorophenyl) HoCl ₂ ØSØCl ₂ OH.	
West Plus Hand Cleaner	Log #701764
23.5% H ₂ O, ~ 70% paraffin hydrocarbons, ~ 5% soap and detergent, < 5% triethanolamine, < 1% perfume, no lanolin detected. pH of 1% soln = 5.8.	CEG
West Superlode	Log #772716
Material is an aliphatic hydrocarbon oil.	CEG
Weston Industries, Inc., Newark, NJ	Log #751536
Weston Statnul	CEG
Contains water and isopropanol, pH = 3.6.	
Wirth Co. Inc., Oakland, CA	Log #680815
Correctette Opaque White Correction Fluid	LWB
Solvent - toluene + white pigment; thinner - toluene. TLV 200(67) ppm; mg/m ³ .	
Wirth Co. Inc., Haward, CA	Log #780413
Correctette Thinner CT2	CEG
Contains 1,1,1-trichloroethane.	
White A.R. Brazive #3	Log #715102
0.99% SiO ₂ .	CEG
White Cloud Correction Fluid	Log #630145
Solvent contains 100% toluene.	RM
Wingstay 100	
Alkyl-aryl-amine.	
Wonder Flux Entectic	Log #660564
Na, Li, Ca, Al, B, K, Si; 1.1% fluoride (eutectic).	EG
Wyandotte Flote	
Paint water wall coagulating agent.	
Wyandotte Quadrol	
Epoxy curing retardant; N',N',N',N'-tetrakis (2-hydroxypropyl)-ethylenediamine.	

Wyandotte Stainless Steel Polish

Liquid phase - mineral oil; propellant - freon;
slight trace of odorant.

Log #732416
LWB

Xerox 914 Developer Carbon black on sea sand.	Log #641519 LWB
Xerox Film Remover Isopropyl alcohol. Flash point 11.7°C (53°F).	Log #620092 Jack
Xerox Film Remover 100% iso-propanol (container label says "contains isopropanol").	Log #630501 TAL
Xerox Film Remover Isopropanol.	Log #641517
Xerox "Flo-Set" Fluid 100% trichloroethylene.	Log #630387 TAL
Xerox 600 Toner 100% carbon black.	1/18/72 CEG
Xerox 914 Toner Black thermoplastic resin.	Log #641520 LWB
Xerox 1824 Toner Carbon black with trace of aluminum.	1/18/72 CEG
Xerox 2400 Toner Acrylic resin with carbon black filler.	Log #690259 CEG
XL Plate Etch Aqueous solution pH = 4.5; no organics.	Log #772690 CEG

Yardney Silvercel Electrolyte R
Solution is 10 N KOH; pH = 14.

Log #680246
LWB

Zapon Thinner Grade 101-8A 55% ethyl acetate, 35% toluene, 5% butyl acetate, 5% xylene.	Log #681897 LWB
Zepco Zep F-7 Powdered Hand Cleaner Code #5 0.045% lanolin, major borax, major silicates, poor spectral purity, pH of 1% slurry - 60%. Odor - minty, strong; particle size uniformity - poor; dust generation when poured - much.	Log #672715 JPG
Zep Mfg. Co. Zep Cleansing Solution Emission spectra shows the elements Na, Al, Si, pH = 14. Probably sodium silicates, sodium aluminum silicates.	Log #761598 CEG
Zip Carb Cleaner Mixture of cresols, alcohol, organic acids, chlorinated hydrocarbons and water. Not miscible in water.	Log #714814 CEG
Zorbal Sweeping Compound 18.62% free silica.	Log #713438 LWB
Zorball Calcined mineral (diatomaceous earth).	Log #660517 LWB
Zyglo Developer Type ZP-9 Contains $\approx$ 70% trichloroethylene and $\approx$ 30% acetone or methyl ketone as solvents. Also contains a fluorescent dye.	Log #730771 CEG

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