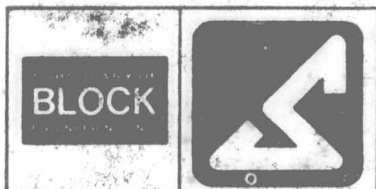


THE **SADTLER**

**STANDARD
SPECTRA**





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COMMERCIAL SPECTRA COMPOSITE ALPHABETICAL INDEX and MOLECULAR FORMULA INDEX

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MOLECULAR FORMULA INDEX

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SADTLER COMMERCIAL SPECTRA COMPOSITE ALPHABETICAL INDEX

and

MOLECULAR FORMULA INDEX

These indices are a catalog of the Sadtler Commercial Spectra, infrared prism, and the infrared grating for those compounds which have been examined by this method. Included in the indices are trade name, manufacturer's code and spectrogram number, prism and/or grating. P suffix in the grating column indicates a renumbered prism spectrum included in grating collection.

The alphabetical prefix to each spectrogram number indicates the specific commercial group in which the spectrogram will be found. A listing of the alphabetical prefixes and corresponding group is shown below.

SERIAL NO. PREFIX

ALPHABETICAL LISTING

AD
AS
A
W
CC
DD
X
G
K
F
M
H
D
D
F
P
E
DP
B
D
J
L
C
T
WT

ABUSED DRUGS
ADHESIVES & SEALANTS
AGRICULTURAL CHEMICALS
A. T. R.'s
COATING CHEMICALS
CONTROLLED PYROLYZATES
DYES, PIGMENTS AND STAINS
FATS, WAXES AND DERIVATIVES
FIBERS
FOOD ADDITIVES (5001 - 5400)
INTERMEDIATES
LUBRICANTS
MONOMERS AND POLYMERS (1201 - 7755)
NATURAL RESINS AND GUMS (950 - 1200)
PERFUMES AND FLAVORS (1 - 600)
PETROLEUM CHEMICALS
PLASTICIZERS
POLYMER ADDITIVES
POLYOLS
PYROLYZATES (8001 - 8900)
RUBBER CHEMICALS
SOLVENTS
SURFACE ACTIVE AGENTS
TEXTILE CHEMICALS
WATER TREATMENT CHEMICALS

Due to the use of IBM equipment, certain limitations are imposed in chemical nomenclature symbolism and appear in the index print-out as follows:

Deviation from standard punctuation

- | | | | |
|----|------------|---|---|
| / | (slash) | - | to be read as parenthesis, bracket, or brace |
| □ | (lozenge) | - | to be read as indication of superscripting |
| PR | | - | to be read as "prime". Therefore 2PR is read as 2'. |
| * | (asterisk) | - | also to be read as "prime" |

Lack of provision for Greek letters, super or subscripts (except as noted above) or lower case letters causes the following changes from normal notation:

- | | | |
|-------|---|---|
| A | - | is to be read as a or α |
| B | - | is to be read as b or β |
| G | - | is to be read as g or γ |
| D | - | is to be read as d or δ |
| O | - | is to be read as o, ortho or oxygen |
| M | - | is to be read as m or meta |
| N | - | is to be read as normal or nitrogen |
| P | - | is to be read as p, para or phosphorus |
| S | - | is to be read as s (symmetrical) or sulfur |
| D & L | - | will still retain their original significance when used in conjunction with carbohydrates |

A few examples will help to illustrate the variations to be encountered:

Chemical Name

Sadtler Index

N-(4-amino-6-sulfo-1-naphthyl)-acetamide

ACETAMIDE, N-/4-AMINO-6-SULFO-1-NAPHTHYL/-,

4'-amino-3'-sulfoacetanilide

ACETANILIDE, 4*-AMINO-3*-SULFO-,

6-trimethyl-2,6-bicyclo[3.1.1.]-help-2-ene

BICYCLO/3.1.1/HELP-2-ENE,2.6-,6-TRIMETHYL-,

6-ethoxybenzo[b] thiophene-3-ol

BENZO/B/THIOPHENE-3-OL,6-ETHOXY-,

The Molecular Formula Index contains those products from the Commercial Spectra collection for which the manufacturer has designated a chemical name and formula.

The Hill system has been employed in listing the compounds with C always first, followed by H, if present, the other symbols in alphabetical sequence. Compounds may then be located by their molecular formula by searching for them in categorically ascending order of C, H and each of the other elements heading the columns in alphabetical sequence on each page. The column labelled "M" lists those elements not categorized; a single uncategorized element is represented by its symbol (NA, FE, etc.); multiple uncategorized elements are not symbolically identified, but are represented by X2 (for 2), X3 (for 3), etc.

For compounds having the same molecular formula, the arrangement is alphabetical according to compound name.

Multiple entries in the index for the same spectrum number arise from the necessity of cross-referencing compounds for alphabetizing purposes.

LIST OF MANUFACTURES

NAME	MFG CODE
A AND S CORP	10
ABBOTT LABORATORIES	20
ABM INDUSTRIAL PRODUCTS LTD.	123
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ACETO CHEMICAL COMPANY, INC	27
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ACME RESIN CORPORATION	30
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ALABAMA BINDER AND CHEMICAL CORP	37
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ADVANCE DIV, CARLISLE CHEMICAL WORKS	50
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ALOX CORP	60
ALCO CHEMICAL CORP	70
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ARMSTRONG PRODUCTS CO., INC.	265
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BAKER CASTOR OIL COMPANY	390
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BANDO RUBBER MANUFACTURING CO, LTD	420
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BARECO WAX DIV PETROLITE CORP	438
PETROLITE CORP	438
BARLOW CHEM CORP SUBS BAIRD CHEM INDS	440
BARRETT DIV, ALLIED CHEMICAL CORP	450
BASF, INC	510
BATES CHEMICAL COMPANY	530
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WOOD RIDGE CHEM CORP FORMERLY F W BERK	600

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BERNITE PRODUCTS, INC.	610
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BESTWOOD CORPORATION	623
BETZ LABS., INC.	625
BIDDLE SAWYER CORP.	640
BIO-RAD LABORATORIES	645
BIRD AND SON COMPANY	646
BIRMA PRODUCTS CORPORATION	647
ARENOL CHEMICAL CORPORATION	650
ARNAR-STONE LABORATORIES, INC	660
ASTRA PHARMACEUTICAL PRODUCTS, INC	670
AYERst LABS, INC	680
BLACK LEAF PRODUCTS CO	770
BLACKMAN-UHLER CHEMICAL CO	780
BLANE CHEMICAL CORP	800
BLYTHER, WILLIAM, AND CO, LTD	850
BOFORS INDUSTRIES, INC.	870
BOLER PETROLEUM CO	890
BOLTA-WERK GMBH	895
BOMBARDI PARODI-DELFINO	900
BONNER CHEMICALS, INC	910
BORDEN CHEMICAL CO, DIV THE BORDEN CO	930
BORG-WARNER CORPORATION	950
BORYSLAW MINES, POLAND	970
BOSTIK LTD.	990
BOSTON CHEMICAL PRODUCT CO	1000
BP TRADING LIMITED	1005
BRAY OIL CO	1010
BRETT CORP	1020
BRISTOL LABORATORIES, INC	1030
BRITISH CELANESE LTD.	1031
BRITISH GEON, LTD	1032
BRITISH VITA CO	1033
BRITISH RAYOPHANE, LTD.	1034
BP CHEMICALS, LTD.	1035
BRITISH OXYGEN CHEMICALS LTD.	1036
BRITISH RESIN PRODUCTS LTD.	1037
BROWN CO	1038
BRONOCO SOLVENTS AND CHEMICALS CO.	1050
BRULIN AND CO., INC.	1060
BRYANT CHEMICAL CORPORATION	1070
BUCKMAN LABS	1075
BUDD COMPANY, THE	1080
BURDICK AND JACKSON LABORATORIES	1090
BURGES PIGMENT CO.	1095
BUPKART SCHIER CHEMICAL COMPANY	1100
BURROUGHS WELLCOME AND COMPANY, INC	1120
BURTONITE CO /THE/	1125
RX PLASTICS, LTD SUBS BRITISHXYLONITE	1130
CABOT CORP	1200
CABOT CARBON COMPANY	1210
CADET CHEMICAL CORPORATION	1230
CADILLAC PLASTIC AND CHEMICAL DIV DAYCO	1240
DAYCO CORP	1240
CALBAR, INC.	1275
CALBIOCHEM	1280
CALGON CORP.	1290
CALIFORNIA RESEARCH CORP	1300
CHEVRON CHEMICAL COMPANY	1300
ORTHO DIV, CHEVRON CHEMICAL CO	1300
CALLERY CHEMICAL COMPANY	1350
CAMBRIDGE INDUSTRIES CO	1355
CAMPBELL PHARMACEUTICALS	1360
CANADA PACKERS LIMITED	1362
CANADIAN INDUSTRIES, LTD	1364
CARBIC-HOECHST CORPORATION	1380
UNION CARBIDE CORP	1400
UNION CARBIDE CORP	1400
CARBOLINE COMPANY	1410
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CARDINAL CHEMICAL CO.	1422
CARGILL, INC	1425
CARLISLE CHEMICAL WORKS, INC	1430
CARR-FULFLEX INC.	1440
CARROLL, DUNHAM, SMITH COMPANY	1450
CARTER BELL MANUFACTURING COMPANY	1460
CARUS CHEMICAL CO., INC.	1470
UPJOHN CO /THE/, POLYMER CHEMICALS DIV	1480

NAME

MFG CODE

CASTROL OILS, INC	1485
CASSELLA FARBERWERKE	1488
CATALIN CORPORATION OF AMERICA	1490
CELANESE CORPORATION OF AMERICA	1500
CELLOMER CORP	1502
CERTIFIED PROTFINS CORP	1503
CHAMTOIN PAPER CO	1505
CHARLOTTE CHEMICAL LABS, INC	1506
CHASE CHEMICAL CORP	1507
CHASE & SONS, INC.	1508
CHATTANOOGA MEDICINE COMPANY	1510
CENTRAL RESEARCH LABORATORY	1520
CHEFARO N.V.	1521
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CHEMETRON CORP	1523
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CHEMISCHE FABRIK MEYER-CASTENS & CO.	1529
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CHEMICAL DEVELOPMENTS OF CANADA, LTD	1527
CHEMELEX, INC.	1526
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CHEMISCHE INDUSTRIE SYNRES	1545
CHATHAM MANUFACTURING COMPANY	1550
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CHEMSTRAND, DIV OF MONSANTO CO	1570
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CINCINNATI MILACRON CHEMICALS, INC.	1598
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CLACK CORP.	1622
CLARKE, JOHN, AND CO, INC	1625
CLAREMONT POLYCHEMICAL CORP.	1626
CLEARY CORPORATION	1630
CLINTON CORN PROCESSING CO.	1635
CLINTWOOD CHEMICAL CO	1640
CLOUGH CHEMICAL COMPANY LIMITED CANADA	1670
CONSOLIDATED MIDLAND CORPORATION	1700
COLGATE PALMOLIVE CO	1710
COLORITE, INC.	1715
COLTON CHEMICAL COMPANY	1720
COLLOIDAL PRODUCTS CORP.	1725
COLLOIDS, INC	1730
COLONIAL SUGARS CORP	1735
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DUVAL CIE, DIV OF S B PENICK AND COMPANY	1780
CONAP INC	1785
CONCORD CHEMICAL CO, INC	1790

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CONTINENTAL CAN CO.	1795
CONTACT INDUSTRIES, INC.	1796
BRYTON CHEMICAL COMPANY	1800
BRYTON CHEMICAL COMPANY	1800
CONTINENTAL OIL COMPANY	1800
CONTINENTAL CHEMICAL COMPANY	1810
CONVERSION CHEMICAL CORP.	1815
COOKE COLOR AND CHEMICAL CO.	1819
COOK PAINT AND VARNISH CO.	1820
COOLEY, INC.	1821
COOPER, PETER, CORP.	1822
COOPER TECHNICAL BUREAU	1823
COPET COMPANIA	1825
CO-POLYMER CHEMICALS, INC.	1830
COPOLYMER RUBBER AND CHEMICAL CORP.	1831
CORN IND. DIV. CPC INTL., INC.	1849
CORN PRODUCTS CO	1850
COSDEN OIL AND CHEMICAL CO	1860
COURTAULDS NORTH AMERICA, INC.	1880
COSAN CHEMICAL CORP.	1885
COURTAULDS /CANADA/ LTD.	1885
COURTAULDS LTD.	1886
COWLES CHEMICAL COMPANY	1950
CPC LTD, ENGLAND	1951
AMERCHOL, CPC INTERNATIONAL INC.	1952
CRANE PACKING CO	1980
CRAVENETTE CO, USA /THE/	1985
CRAY VALLEY PRODUCTS, LTD.	1990
CRIPPEN AND ERlich LABORATORIES	2000
CRODA, INC	2015
CROID LTD.	2020
CROOKES-BARNES	2030
CROSBY CHEMICALS, INC	2050
CROWN CHEMICAL CORP	2100
CRUCIBLE CHEMICAL CO.	2105
DAVIS, JOSEPH, PLASTICS CO	2108
CROW-METRO, INC.	2115
CROWN ZELLERBACH CORPORATION	2120
CULVER CHEMICAL CO	2140
CYCLO CHEMICAL CORP	2145
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EVERLUBE CORP	2824
FAIRMOUNT CHEMICAL CO.	2825
FALLEK PRODUCTS CO, INC	2830
EX-LAX	2840
FABRICOLOR, INC	2845
FARBWERKE HOECHST	2850
FASSTER, M J, AND CO., INC.	2855
FEELEY, E J, CO	2870
FEL-PRO, INC.	2875
FELTON CHEMICAL CO, INC	2880
FENWAL, INC., RESIN SYSTEM DIV.	2885
FERRO CORP	2910
FIBER RESIN CORP.	2912
LITTON INDUSTRIES, FITCHBURG CPI DIV	2913
FIDELITY CHEMICAL PRODUCTS CORP.	2915
FILTERED ROSIN PRODUCTS CO.	2920
FINE ORGANICS, INC.	2930
FINETEX, INC	2935
FIRESTONE PLASTICS CO	2950
FIRESTONE SYNTHETIC RUBBER AND LATEX CO	2950
FIRESTONE TIRE AND RUBBER CO	2950
FIRST TEXAS PHARMACEUTICALS, INC	2960
FISHER SCIENTIFIC COMPANY	2990
FLEX-O-GLASS, INC	2995
FLEXIBLE PRODUCTS CO.	2997
FLORASYNTH LABORATORIES, INC	3030
FLORIDA CHEMICAL CO., INC.	3031
FLUKA	3040
FLUORO PLASTICS, INC.	3045
BECCO DIV, FMC CORP	3080
F M C CORPORATION	3080
FAIRFIELD CHEMICAL DIV, FMC CORP	3080
NIAGARA CHEMICAL DIV, FMC CORP	3080
FOHR AND FROMM, HAMBURG	3100
FOOTE MINERAL CO.	3105

LIST OF MANUFACTURES

NAME	MFG CODE
FOSTER GRANT COMPANY	3110
FRANCE, CAMPBELL AND DARLING	3120
FRANKLIN RESEARCH COMPANY	3160
FREEPORT MINERALS CO., FREEPORT KOALIN	3180
FRINTON LABORATORIES	3182
FRITZSCHE BROS, INC	3200
FUPANE PLASTICS, INC	3220
FURGUSON, JAMES AND SONS	3240
FYFE, JAMES, AND CO.	3245
GAF CORP.	3250
GALLAND-SCHLESINGER CHEM MFG CORP, NY	3252
GUARD CHEM CO FORMERLY GALOWHUR CHEM	3255
GUARD CHEM CO, INC FORMERLY GALOWHUR	3260
GARDEN STATE CHEMICAL CO	3260
GARDINOL CHEMICAL CO, AUSTRALIA	3265
GAMMA CHEMICAL COMPANY	3267
GANES CHEMICAL WORKS	3270
GIVAUDAN CORP, AROMATIC CHEMICALS DIV	3285
GENDORF	3300
GEIGY CHEMICAL CORPORATION	3360
GEIGY /U.K./ LIMITED	3390
GENERAL ANILINE AND FILM CORPORATION	3395
GENEAL BIOCHEMICALS	3400
GENERAL ANILINE AND FILM CORP	3403
GENERAL ELECTRIC COMPANY	3410
GENERAL MILLS, INC	3420
GENERAL SEALANT, INC.	3450
GENERAL TIRE AND RUBBER COMPANY	3455
GENESEE RESEARCH CORPORATION	3460
GENSEKE BROTHERS, INC.	3470
GEORGIA PACIFIC	3475
GENTRY CORP.	3479
GEORGIA KOALIN	3480
GILLESPIE-ROGERS-PYATT CO.	3481
GILLSPIE-ROGERS-PYATT CO., INC.	3482
BOWER, GERALD C, INC, CULTURED CHEM. DI	3483
GILMAN BROTHERS CO./THE/	3484
GLENN CHEMICAL CO, INC	3484
GIRSON-HOMANS COMPANY	3485
GLENWOOD LABORATORIES, INC	3486
GLYCO CHEMICALS, INC	3490
DURKEE FAMOUS FOODS DIV, GLIDDEN CO	3500
GLIDDEN CO /THE/	3520
GLIDDEN-DURKEE DIV. SCM CORP.	3520
GLOBE MANUFACTURING CO.	3525
GLOVERS, LTD GREAT BRITAIN	3530
GOETEL, INC, PLASMADYNE DIV.	3533
GOLDEN BEAR OIL CO	3535
GOLDSCHMIDT CHEMICAL CORP	3540
GOODRICH, B F, CHEMICAL CO	3560
GOODRICH-GULF CHEMICALS, INC	3561
GOODYEAR TIRE AND RUBBER CO, CHEMS DIV	3580
GOODRICH, B F, CHEMICAL CO	3590
GORDON LACEY CHEMICAL PRODUCTS CORP	3620
GOULSTON, GEORGE A, CO	3650
GRACE, W R, AND CO	3700
GRACE, W R, AND CO., DAVISON DIV.	3700
GRAESSER SALICYLATES LTD	3705
GREAT AMERICAN PLASTICS CO	3710
GREFCO, INC., DICALITE DIV.	3713
GREEF, R W, AND CO, INC	3714
GRIFFIN CHEM CO /DIV OF NOPCO CHEM CO/	3720
GROSS, A, AND CO	3750
GRUNAU, CHEMISCHE FABRIK,	3770
GUARDIAN CHEMICAL CORP	3790
LAB GUIDOTTI AND C.S.P.A., PISA, ITALY	3795
GULF OIL CORP	3800
GULF OIL CORP., GULF ADHESIVES DIV.	3800
GULF RES. AND DEV. CO., PITTSBURGH, PA	3810
HACH CHEMICAL COMPANY	3814
HALBY CHEMICAL CO, INC	3860
HALL, THE C P, CO	3880
HALOCARBON PRODUCTS CORP	3885
HAHNEMANN MEDICAL COLLEGE	3890
HAMPSHIRE CHEMICAL DIV, W R GRACE	3891
HAMILTON CHEMICAL CORP	3892
HAMMOND PLASTICS, INC.	3895

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NAME	MFG CODE
HARCHEM DIV /WALLACE AND TIERNAN, INC/	3900
HARDMAN AND HOLDEN LTD.	3910
HARDMAN, INC	3911
HARLECO, HARTMAN LEEDON CO	3915
PERCY HARMS CORP.	3920
HARRIS MANUFACTURING COMPANY	3925
HARPISON, A, AND CO, INC	3930
HARSHAW CHEMICAL CO	3950
HARWICK STANDARD CHEMICAL COMPANY	3980
HART PRODUCTS CORP	4040
HARTLEY CHEMICAL CO	4050
HATCO CHEMICAL DIV, W R GRACE AND CO	4080
HATHAWAY ALLIED PRODUCTS	4090
HAYES-SAMMONS CHEMICAL CO	4100
HAVEG CORPORATION	4150
HIGH POLYMER CHEMICAL INDUSTRIES	4210
H TER HELL, HAMBURG	4220
HEIL PROCESS EQUIPMENT CORP.	4225
HEIL PROCESS EQUIPMENT	4227
HENKEL, INC.	4228
HEPLON INC.	4230
KARL O HELM	4235
HERCULES POWDER CO, INC	4240
HERCULES, INC.	4240
HERESITE AND CHEMICAL COMPANY	4260
HERKUNFT WOLLWASCHIEREI	4270
HEVEATEX CORP	4285
HEWLETT-PACKARD CO.	4286
HEYDEN DIVISION, TENNECO CHEMICALS, INC	4290
HFXAGON LABORATORIES, INC	4295
HIGH POINT CHEMICAL CORP.	4297
HILTON-DAVIS CHEM CO, DIV STERLING DRUG	4300
HITCO CO.	4302
HITACHI, LTD TOKYO, JAPAN	4303
HODAG CHEMICAL CORPORATION	4310
HOECHST, FARBWERKE, AG GERMANY	4320
HOFFMANN-LAROCHE, INC	4330
HOLCOMB, T.I MFG. CO., INC.	4331
HOLLAND PLASTICS CO.	4331
HOFFMAN-TAFF, INC.	4331
HOLLAND COLOR AND CHEMICAL CO	4332
HOLLICHEM CORP	4334
HOMALITE CORP.	4335
AMERICAN HOECHST CORP	4338
HOSTACHEM DIV, AMERICAN HOECHST CORP	4338
HOSTAWAX DIV, AMERICAN HOECHST CORP	4338
AIR PRODUCTS AND CHEMICALS, INC	4340
HOUDRY PROCESS AND CHEM DIV, AIR PRODS	4340
HOWE AND FRENCH, INC.	4345
HOWARDS AND SONS, LTD	4350
HOLLINGSHEAD, R M, CORP	4450
HUBER, J M, CORP	4460
HUMPHREY-WILKINSON, INC	4470
HOOKER CHEMICAL CORP	4480
HOUGHTON, E F, AND CO	4490
HOYT, ARTHUR S., CO., INC.	4492
HUBINGER CO.	4495
HYDROCARBON CHEMICAL COMPANY	4500
HYDROCHEM, CONTINENTAL PRODUCTS OF TEXA	4501
HYNES CHEM RES CORP., DURHAM, N.C.	4502
HUGHSON CHEMICAL CO.	4508
GLYCO CHEMS, INC FORMERLY CHAS HUISKING	4510
HULS, CHEMISCHE WERKE,	4511
HUMKO PROD DIV NATIONAL DAIRY PROD CORP	4513
NATIONAL DAIRY PRODUCTS CORP	4513
SHEFFIELD CHEM DIV, NATIONAL DAIRY PROD	4513
HUMPHREY CHEMICAL CO /THE/	4515
HYDE AND CO., A.L.	4518
HYNSON, WESTCOTT AND DUNNING, INC	4520
HYSTL DEVELOPMENT CO., TRW, INC.	4600
ILL. MINFRALS COMPANY	4625
ILL. ADHESIVE PRODUCTS CO.	4626
IRWIN, NEISSLER AND COMPANY	4630
IMPERIAL ADHESIVES AND CHEMICALS, INC.	4640
IMPERIAL CHEMICAL INDUSTRIES, LTD	4650
PLANT PROTECTION, LTD SUBS ICI	4650
IMPERIAL COMMODITIES	4670
IMPERIAL COLOR AND CHEM DEPT, HERCULES	4680

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NAME	MFG CODE
IMPERIAL SMELTING CORP., BRISTOL, ENG.	4685
INDUSTRIAL PLASTIC CO.	4690
INDPOL CO.	4695
INLAND ALKALOID, INC	4700
AMOCO CHEMICALS CORP FORMERLY INDOIL	4710
INDUSTRIAL PETROLEUM CHEMICALS INC	4720
INNES, O G, CORP	4725
INMONT CORP	4722
INTERNATIONAL FLAVORS AND FRAGRANCES US	4728
INTERNATIONAL LATEX CORPORATION	4730
PAISLEY PRODS DIV INTERNATIONAL LATEX	4730
INTERNATIONAL MINERALS AND CHEMICALS	4735
INTERCHEMICAL CORPORATION	4740
INTERNATIONAL WAX REFINING CO., INC.	4743
INTEX CHEMICAL CORP	4745
INTRACOLOR CORP	4746
INDROHAG, HAMBURG	4750
IONAC CHEMICAL CO	4755
IRMAOS MAZZAFERRO AND CIA., LTDA.	4758
IRVINGTON VARNISH AND INSULATOR CO	4760
ITT RAYONIER, INC	4761
ISOICHEM RESINS CO	4767
ISOCYANATE PRODUCTS, INC	4768
JOHNS-MANVILLE FIBER GLASS INC.	4769
JOHNSON, CHARLES ENEU, AND CO	4770
JOHNS-MANVILLE PRODUCTS CO.	4771
JEFFERSON CHEMICAL CO, INC	4780
JERSEY STATE CHEMICAL CO	4785
JET-LUBE INC.	4788
JOANNA WESTERN MILLS COMPANY	4789
JOHNSON AND JOHNSON	4790
JOHNSON, S C, AND SON, INC	4800
JONAS, F, CORP	4810
JONES CHEMICAL COMPANY	4812
CELANESE RESINS DIV, CELANESE COATING	4820
JORDAN CO	4860
KAESTNER AND NEUMANN	4900
KATSER ALUMINUM AND CHEMICAL CORP.	4905
KALKHOF, MAINZ	4910
KALLI AND COMPANY, AKTIENGESSELLSCHAFT	4920
FITZPATRICK AND CO. AGENTS/KANEGAFUCHI	4925
KANEGAFUCHI	4925
KANO LABORATORIES	4926
KASEN INDUSTRIES	4927
KAYKOR INDUSTRIES	4930
KAITO CHEMICAL INDUSTRIES, LTD	4940
KAY-FRIES CHEMICALS, INC	4950
KEARNEY MANUFACTURING COMPANY	4960
KELCO COMPANY	4970
KENICS CORPORATION	4981
KEMPEN, ELECTROCHEMISCHE WERKE,	4980
KENRICH PETROCHEMICALS, INC	4990
KESSLER CHEM DIV, ARMOUR IND CHEM CO	5050
KEYSTONE LUBRICATING CO	5055
WALTER KIDDE AND CO., INC. /FFENWALT INC.	5057
FAR-BEST CORP	5060
KING, O L, DIV OF FAR-BEST CORP	5060
KINNEY AND COMPANY, INC	5070
KLEEN CHEMICAL MFG. CO.	5080
K & K LABS., INC.	5090
KNOLL PHARMACEUTICAL COMPANY	5100
KOHJIN CO., INC.	5110
KOHNSTAMM, H, AND CO, INC	5120
KOLKER CHEMICAL COMPANY	5150
KOPPERS COMPANY, INC	5220
SINCLAIR KOPPERS CO.	5220
RONA PEARL COMPANY	5220
KORO CORP.	5230
KREHA CORP OF AMERICA	5233
KRISTAL KRAFT, INC	5235
LA FRANCE MANUFACTURING COMPANY	5300
KRUMBHAAR RESIN DIV, LAWTER CHEMS, INC	5280
L & R DYSTUFFS CORP.	5345
LAKEWAY CHEMICALS	5353
LAWTER CHEMICALS, INC	5280
KRYLON, INC	5290
LAKEVIEW LABORATORIES	5350
LANCASTER CHEMICAL CORP.	5355

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NAME	MFG CODE
LANKRO CHEMICALS LTD.	5360
LANSIL LTD.	5365
LAUREL SOAP MANUFACTURING CO	5380
LEATHER-AIDE CO	5400
LECTRO STIK COMPANY	5404
LEEBEN COLOR & CHEMICAL CO., INC.	5405
LEEK CHEMICAL CO.	5410
LEHIGH CHEM. NOW NUODEX DIV, TENNECO	5420
LEINER, P AND SON AMERICA, INC.	5430
B.L.LEMKE & CO., INC.	5440
LEPETIT S.P.A., MILAN, ITALY	5480
LEVER BROTHERS COMPANY	5500
LEYDA OIL AND CHEMICAL CO	5520
LIBBEY-OWENS-FORD GLASS COMPANY	5560
LIGNOSOL CHEMICALS, LTD	5570
DRYDEN CHEMICALS LTD.	5570
ELANCO PRODUCTS CO, DIV ELI LILLY	5580
LILLY RESEARCH LABORATORY	5580
LILLY, FLI, AND CO	5580
LION FAT AND CO.	5590
LLOYD, DABNEY AND WESTERFIELD, INC	5680
LOCTITE CORP.	5685
LONZA, INC.	5687
LORILLARD CO, P,	5690
LUBRIZOL CORPORATION	5691
LOWE AND CO., CHAS., MANCHESTER	5692
LOX MANUFACTURING COMPANY	5693
LUCAS MEYER	5695
LUEDERS, GEO, AND CO	5700
MAC CHEMICAL CO	5710
MACANDREWS AND FORBES	5720
MACDERMID, INC., TINKER AFB	5723
MATERIALS PROCESSING LAB, TINKER AFB	5723
MAGNOLIA INDUSTRIES, INC.	5725
MAGNUS CHEMICAL CO	5730
MAGNUS, MABEE AND REYNARD, INC	5840
MAHER COLOR AND CHEMICAL CO	5850
BURMAH OIL TRADING LTD.	5855
MANCHESTER OIL REFINERY LTD.	5855
MANEY, PAUL, LABS, INC	5860
MANTROSE CORP /THE/	5870
MALLINCKRODT CHEMICAL WORKS	5880
MALMSTROM CHEMICAL CORP	5885
MAMECO INTERNATIONAL	5886
LIQUID NITROGEN PROCESSING CORP.	5890
MARATHON DIV, AMERICAN CAN CO	5940
MANATHON OIL CO., LITTLETON, COLO.	5942
MARBLLETTE CORP /THE/	5950
MARLOW-VAL LOAN CORP	5962
MARBON CHEMICAL CO, DIV BORG-WARNER	5960
MARCHON PRODUCTS, LTD ENGLAND	5963
MARDEN-WILD CORP	5964
MARINE COLLOIDS INC	5965
MARIONETTE MILLS, INC.	5966
MARINE PRODUCTS CO.	5967
MARS CHEMICAL CORP.	5968
MARUBENI-LIDA	5969
MASSENGILL CO, S E,	5970
MASONITE CORP.	5971
MARUBISHI OIL CHEMICAL COMPANY	5972
MASTER LUBRICANTS CO.	5975
MASURY-YOUNG CO	5980
MATHESON CO, INC /THE/	6030
MATHESON COLEMAN AND BELL DIV, MATHESON	6030
OLIN MATHIESON CHEMICAL CORP	6060
OLIN MATHIESON CHEMICAL CORP	6060
OLIN CORP.	6060
MANOSTAT CORPORATION	6070
MAUMEE CHEMICAL COMPANY	6100
MAY, OTTO B, INC	6120
MAY AND BAKER LTD, ENGLAND	6130
MAYWOOD CHEM WORKS, DIV STEPAN CHEM CO	6140
MCLAUGHLIN GORMLEY KING CO	6200
MCNEIL LABORATORIES, INC	6220
MEAD JOHNSON AND COMPANY	6230
MEARL CORPORATION	6234
MEDICAL CHEMICALS CORP	6236
MEADOWS, W. R., INC.	6237

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NAME	MFG CODE
MEER CORP	6240
MERCK AND COMPANY	6360
MERCK, DARMSTADT	6365
MERRELL CO, THE WM S,	6370
MESA PLASTICS CO	6375
M AND T CHEMICALS, INC	6380
AMERICAN CAN CO.	6380
METACHEN RESINS CORP.	6382
METALLGESELLSCHAFT AG	6384
METALSALTS CORP	6385
METASAP DIV, NOPCO CHEMICAL CO	6390
MICHEL, M, AND CO, INC	6420
MIDLAND-ROSS CORP I.R.C. FIBERS DIV	6425
METRO-ATLANTIC, INC	6430
MICHIGAN CHEMICAL CORPORATION	6450
MILES CHEMICAL CO, DIV MILES LABS INC	6460
MILES LABORATORIES, INC	6460
MILLER-STEPHENSON CHEMICAL CO., INC.	6461
MILLMASTER CHEMICAL CORP	6463
ENGELHARD MINERALS AND CHEMICALS	6467
MINERALS AND CHEMICALS PHILIPP CORP	6467
MINNESOTA MINING AND MANUFACTURING CO	6470
MIRACLE ADHESIVES	6475
MITSUBISHI CHEMICAL INDUSTRIES	6480
MIRANOL CHEMICAL COMPANY	6490
MITSUI RUSSAN KAISHA, LTD, JAPAN	6500
MOBAY CHEMICAL COMPANY	6510
MOBIL CHEMICAL CO.	6520
MIZZY, INC	6520
MOHAWK INDUSTRIES, INC	6525
MOHASCO INDUSTRIES INC.	6526
MONA INDUSTRIES, INC	6530
MONITE WATERPROOF GLUE COMPANY	6535
MONSANTO COMPANY	6540
MONTECATINI	6545
MONTECATINI EDISON S.P.A.	6545
MONTROSE CHEM CO, DIV BALDWIN-MONTROSE	6550
MOONEY CHEMICALS, INC	6553
MOORE AND MINGER, INC.	6554
MORETEX CHEMICAL PRODUCTS	6560
MORNINGSTAR DIV, INTERNATIONAL LATEX	6564
MORGAN ADHESIVE COMPANY	6565
MORTON CHEMICAL CO	6568
MORTON-WITHERS CHEMICAL CO	6570
MOTOMCO, INC	6590
M&R REFRACTORY METALS	6610
NAFTONE, INC	6630
NALCO CHEMICAL COMPANY	6650
NALGENNE INDUSTRIAL DIV	6653
NARVON MINING & CHEMICAL CO.	6654
NATIONAL CASEIN	6655
NATIONAL DRUG COMPANY	6660
NATIONAL INSTITUTE OF HEALTH	6670
NATIONAL SUGAR REFINING COMPANY	6680
NATIONAL STARCH AND CHEMICAL CORP	6690
NATIONAL PLASTICS PRODUCTS COMPANY	6700
NATIONAL POLYCHEMICALS, INC	6710
BAROID DIV NATIONAL LEAD CO	6720
NATIONAL LEAD COMPANY	6720
NATIONAL MARKING MACHINE CO	6725
NATIONAL MILLING & CHEMICAL CO.	6726
NATIONAL STARCH PRODUCTS	6730
NATIONAL ANILINE DIV /ALLIED CHEM CORP/	6740
NATIONAL ENGINE PRODUCTS	6750
NATIONAL ROSIN OIL PRODUCTS, INC	6760
NATVAR CORP	6765
UNIROYAL, INC CHEMICAL DIV.	6770
NEASE CHEMICAL CO, INC	6775
NEISLER LABS., INC., DECATUR, ILL.	6777
NEPERA CHEMICAL CO, INC	6780
NEVILLE CHEMICAL CO	6790
NEW JAPAN CHEMICAL CO. LTD.	6792
NEWPORT DIV, TENNECO CHEMICALS, INC	6800
NICHIBO CO, LTD.	6803
NEW YORK AND NEW JERSEY LUBRICANT CO	6805
NICHOLS AND CO., INC.	6805
NIKKO CHEMICALS CO., LTD.	6806
NIPAK, INC.	6807