Pesticide Registration (PR) Notice 97-5: Use of Common Names for Active Ingredients on Pesticide Labeling

Resources

- Pesticide Registration Notices

Notice To: Manufacturers, Producers, Formulators, and Registrants of Pesticide Products

Attention: Persons Responsible for the Registration of Pesticides

Subject: Use of Common Names for Active Ingredients on Pesticide Labeling

This notice announces EPA policy to expand the use of common names on pesticide labeling. EPA will permit the use of common names approved by the American National Standards Institute (ANSI) in the label ingredients statement without the accompanying scientific chemical names, and will permit the use of other common names listed in this notice without the accompanying scientific chemical name. EPA also recommends the inclusion on labels of Chemical Abstracts Service (CAS) numbers to identify ingredients definitively.

A registrant is not required to revise a product label in this manner; chemical names may be retained in the ingredients statement. EPA urges registrants of consumer products in particular to modify their labels to use common names.

Label revisions in response to this notice may be done by notification.

I. BACKGROUND

Chemicals (including pesticide ingredients) have scientific names based upon their chemical structure. In many instances, these names are long, complicated and understandable only by those with a scientific or technical background. Chemical naming systems have been developed, but a single chemical structure may have several chemical name variants. Historically, some chemicals have been identified by shorter, acronym-like names, often based upon combinations of the chemical name or chemical family to which the chemical belongs. These are called "common names" and are widely used in lieu of the chemical names on a day-to-day basis, particularly in the agricultural pesticide community.

In the past, common names for pesticide active ingredients were established by the now-defunct Intergovernmental Committee on Pest Control

(e.g., captan), or by the Food and Drug Administration. Others may have become well-known merely by common usage through the years. Typically, these were agricultural chemicals whose use predates standardization processes. Newer common names are generally developed through an established approval process, such as one of the national standards organizations. In the United States, common names for pesticide active ingredients are established by the K-62 Committee of the American National Standards Institute (ANSI). Other national standards organizations (British, Canadian) and the International Standards Organization also coordinate standardization of common names.

EPA encourages the development and use of common names. Common names promote user understanding of chemical-based products, provide a ready reference for persons without technical or scientific background, and can foster informed choice in purchasing and using products, both pesticide and non-pesticide.

II. THE CONSUMER LABELING INITIATIVE

In 1996, EPA began a Consumer Labeling Initiative (CLI), which has as its goal the improvement of consumer labeling in general (focussing on pesticide products). In the first phase of the CLI, individual interviews were conducted with users of household pesticides (both indoor and outdoor) and pesticide and non-pesticide cleaning agents. Interviews with consumers and comments submitted to EPA indicated that average consumers have very little knowledge of technical chemical names and found them uninformative and difficult to use. Based on these comments, the Consumer Labeling Initiative Phase I Report recommended that EPA increase the use of common names on labels.

Although users of pesticides are the primary audience of the pesticide label, others rely on the label for information about the pesticide. In particular, medical personnel and poison control centers may need to know the identity of the active ingredients in order to provide proper treatment in an emergency. Persons suspecting pesticide exposure or poisoning are instructed to bring the labeled container with them when they seek treatment. Hazardous materials personnel may require a full chemical name in case of a spill, leakage, or transportation incident. Consequently, EPA must balance the desire by consumers and users for simplicity in chemical names with the potential need for more technical information for others.

EPA believes that it can forego scientific chemical names on the labels of many products where a common name has been established either by a standards organization, by the Agency itself, or through long usage. EPA also believes that medical personnel and others who may need a more specific chemical name have numerous resources at their disposal to translate a common name into its chemical name and are knowledgeable or trained enough to do so quickly and easily.

III. NAMING ACTIVE INGREDIENTS IN PESTICIDE PRODUCTS

FIFRA sec. 2(q)(2)(A) requires that each pesticide product bear an ingredients statement, which must include the name and percentage of each active ingredient. Labeling regulations in 40 CFR 156.10(g) require that the name used in the ingredient statement be:

". . the accepted common name, if there is one, followed by the chemical name. The common name may be used alone only if it is well-known. If no common name has been established, the chemical name alone shall be used."

The regulations do not define "accepted common name." Currently, the Agency uses a chemical vocabulary list that includes identifiers for a common name (both ANSI-approved names and other common names), the Chemical Abstracts Service Registry number (the CAS number), multiple chemical names and multiple trade names. Moreover, EPA has not specified which common names are "well-known" enough that a common name alone suffices for the ingredients statement. Today's notice states a new Agency position which allows the use of ANSI-approved common names and certain other common names alone in label ingredients statements.

When required, the chemical name that must be used in ingredients statements is that established by the Chemical Abstracts Service. The CAS name corresponds to a unique CAS Registry number (CAS number) by which the chemical may be identified regardless of what chemical name variant, common names, synonyms or trade names the chemical may also have.

IV. POLICY

This policy applies only to pesticide active ingredients; inert ingredients are not eligible.

A. ANSI common names. A common name that is approved by ANSI may be used in the label ingredients statement without the accompanying chemical name. A registrant who is unsure whether a common name has been approved by ANSI, and thus may be used alone in the ingredients statement may contact Kerry Leifer of EPA at 703-308-8811, or Mr. Glenn Hanes of the K-62 Committee, at the address at the end of this notice. Appendix A of this notice lists all pesticide active ingredient names currently approved by ANSI for which a product is registered. EPA believes this list to be comprehensive, but if an ANSI-approved common name has been omitted, it may still be used alone in the ingredients statement.

B. Other acceptable common names. Appendix B to this notice lists other names, not established by ANSI, which may also be used alone in the ingredients statement without an accompanying chemical name. These names may be:

- Names adopted by EPA for use on labels
- Shorter and more familiar chemical name variants
- Names that have become well-known through wide usage
- Names that have been approved by another recognized standards-setting organization.

Most of these additional common names are those approved by the International Standards Organization (ISO) or the British Standards Institute (BSI). This list may be expanded in the future. EPA welcomes suggestions for additional common names that could be included on this list. Currently the list does not include biochemical or microbial active ingredients. EPA is exploring how such names may be best expressed for user understanding.

Finally, EPA intends to modify its new OPUS-based chemical vocabulary database system to include a specific field for the label ingredients name which would identify the acceptable name for use in the ingredients statement, whether that name is a common name alone, a chemical name alone, or a combination of common and chemical name.

C. Seeking ANSI approval. EPA prefers that common names for chemicals be established through standards-setting organizations such as ANSI. Registrants are strongly encouraged to seek ANSI approval of additional common names for chemicals for which common names are not yet available. Appendix C to this notice is an information sheet issued by the K-62 Committee on how to apply for ANSI common names.

D. CAS numbers. When a common name alone is permitted on the label, registrants should include the CAS registry number of the active ingredient to provide a reference for those who need to know the chemical name. The CAS number need not figure prominently in the ingredients statement, but may appear as a substatement or footnote to the ingredients statement.

This policy applies solely to label declarations of ingredients. This policy does not supersede or modify requirements for identifying ingredients in applications, documents, studies, or reports to EPA, including the Confidential Statement of Formula. These must continue to identify fully, as applicable, chemical names, common names, synonyms, trade names and numerical identifiers of each chemical.

EPA will initiate rulemaking to revise its labeling regulations in 40 CFR 156.10 to conform to this policy change; however, in the interest of improving pesticide labeling, EPA is proceeding immediately to permit registrants to make this change voluntarily. No registrant is required to revise its labels in response to this notice; however, EPA encourages registrants to do so when labels are routinely revised for other reasons.

V. PROCEDURE

To make it convenient and easy for this policy to be implemented, EPA will allow the change to be made by notification to the Agency, as follows:

A. Products currently bearing both a common name and a chemical name. Registrants who wish to modify a label to delete the chemical name of an active ingredient with an ANSI or EPA-approved common name may do so by notification to EPA. The registrant should:

1. Submit an Application for Amended Registration, listing in section II, "Notification to modify ingredients statement to delete chemical name."

2. Submit two copies of the modified labeling.

3. Submit a modified Confidential Statement of Formula if the current CSF does not already include the common name.

B. Products currently bearing only a chemical name. A registrant who wishes to modify a label to substitute an ANSI- or EPA-approved common name for the chemical name of an active ingredient should:

1. Submit an Application for Amended Registration, listing in Section II, "Notification to modify ingredients statement to substitute common name for chemical name";

2. Submit two copies of the modified labeling; and

3. Submit a modified Confidential Statement of Formula if the current CSF does not already include the common name.

Each notification under under V.A. or B. should include the following certification statement:

This notification is consistent with the provisions of PR Notice 97-5 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand this it is a violation of 18 U.S.C. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 97-5 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

C. To add a CAS Registry number. Registrants who wish to add CAS numbers for ingredients to their ingredients statement may do so without notification to EPA (a "non-notification" under 40 CFR 152.46).

VI. COMPLIANCE

No registrant is required to make this change; a registrant may continue to include both the common name and the chemical name of the active ingredient(s) in the ingredients statement. EPA will not consider a product bearing a permitted common name without the accompanying chemical name to be misbranded within the meaning of FIFRA sec. 12 solely because of that change.

VII. ADDRESSES

Notifications should be sent to:

For US Postal Service submissions:

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460-0001

For courier deliveries:

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

VIII. FOR FURTHER INFORMATION

For further information on this notice, contact Jean M. Frane, Field and External Affairs Division, at 703-305-5944 or by e-mail to Frane.Jean@epamail.epa.gov.

Questions concerning technical information on pesticide active ingredient names and EPA procedures may be directed to Kerry Leifer, Registration Division, at 703-308-8811, or by e-mail to Leifer.Kerry@epamail.epa.gov.

For information on how to obtain ANSI approval of a proposed common name, contact the Chairman of the ANSI K-62 Committee:

Glenn Hanes, USDA
NRI, PRS, Building 1072
10300 Baltimore Avenue
Beltsville, Md. 20705

Phone: 301-504-8137
FAX: 301-504-8142 (Attn: G. Hanes)
E-mail: ghanes@asrr.arsusda.gov

Daniel M. Barolo, Director
Office of Pesticide Programs

Appendix A
PR Notice 97-5

COMMON NAMES FOR USE ON PESTICIDE LABELS
APPROVED BY
THE AMERICAN NATIONAL STANDARDS INSTITUTE

COMMON NAME CHEMICAL NAME CAS # PC CODE

Abamectin Avermectin B1 65195-56-4 122804
65195-55-3
71751-41-2

Acephate O,S-Dimethyl acetylphosphoramidothioate 30560-19-1 103301

Acetochlor 2'-Ethyl-6'-methyl-N-(ethoxymethyl)-2-chloroacetanilide 34256-82-1 121601

Acifluorfen 5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid 50594-66-6 114401

Alachlor 2-Chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide 15972-60-8 090501

Aldicarb 2-Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime 116-06-3 098301

Aldoxycarb 2-Methyl-2-(methylsulfonyl)propanal O-((methylamino)carbonyl)oxime 1646-88-4
110801

Ametryn 2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine 834-12-8 080801

Amitraz N'-(2,4-Dimethylphenyl)-N-(((2,4-dimethylphenyl)imino)methyl)- 33089-61-1 106201
N-methylmethanimidamide

Amitrole 3-Amino-s-triazole 61-82-5 004401

Ancymidol Âˆ-Cyclopropyl-Âˆ-(4-methoxyphenyl)-5-pyrimidinemethanol 12771-68-5 108601

Asulam Methyl sulfanilylcarbamate 3337-71-1 106901

Atrazine 2-Chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine 1912-24-9 080803

Bendiocarb 2,2-dimethyl-1,3-benzoldioxol-4-yl methylcarbamate 22781-23-3 105201

Benomyl Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate 17804-35-2 099101

Bensulfuron Methyl 2-((((((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)amino) 83055-99-6
128820
sulfonyl)methyl)benzoate

Bentazon 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide 25057-89-0 275200

Bifenthrin (2-Methyl{1,1'-biphenyl}-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)- 83322-02-
5
2,2-dimethylcyclopropanecarboxylate, {1Âˆ,3Âˆ(Z)}-(.+-.)- 82657-04-3 128825

Brodifacoum 3-(3-(4'-(Bromo-(1,1-biphenyl)-4-yl)-1,2,4,4-tetrahydro-1-naphthyl)- 56073-10-0
112701

4-hydroxycoumarin

Bromacil 5-Bromo-3-sec-butyl-6-methyluracil 314-40-9 012301

Bromethalin N-Methyl-2,4-dinitro-N-(2,4,6-tribromophenyl)-6-(trifluoromethyl) 63333-35-7 112802
benzenamine

Bromoxynil 3,5-Dibromo-4-hydroxybenzonitrile 1689-84-5 035301

Butralin 4-(1,1-Dimethylethyl)-N-(1-methylpropyl)-2,6-dinitrobenzenamine 33629-47-9 106501

Carbaryl 1-Naphthyl-N-methylcarbamate 63-25-2 056801

Carbofuran 2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate 1563-66-2 090601

Carboxin 5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanalide 5234-68-4 090201

Chlorethoxyfos O,O-Diethyl O-(1,2,2,2-tetrachloroethyl) phosphorothioate 54593-83-8 129006

Chlorimuron 2-(((((4-Chloro-6-methoxy-2-pyrimidinyl)amino)carbonyl)amino)sulfonyl) 90982-32-4
128901
benzoic acid, ethyl ester

Chloroneb 1,4-Dichloro-2,5-dimethoxybenzene 2675-77-6 027301

Chlorothalonil Tetrachloroisophthalonitrile 1897-45-6 081901

Chlorpyrifos O,O-Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate 2921-88-2 059101

Chlorpyrifos-Methyl O,O-Dimethyl O-(3,5,6-trichloro-2-pyridyl) phosophorothioate 5598-13-0
059102

Chlorsulfuron 2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl) 64902-72-3
118601
benzenesulfonamide

Clethodim 2-Cyclohexen-1-one, 2-(1-(((3-chloro-2-propenyl)oxy)imino)propyl)- 99129-21-2 121011
5-(2-ethylthio)propyl)-3-hydroxy-

Clofencet 4-Pyridazinecarboxylic acid, 2-(4-chlorophenyl)-3-ethyl-2,5- 82697-71-0 128726
dihydro-5-oxo-, potassium salt

Clofentezine 3,6-Bis(2-chlorophenyl)-1,2,4,5-tetrazine 74115-24-5 125501

Clomazone 2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone 81777-89-1 125401

Clopyralid 3,6-Dichloropicolinic acid 1702-17-6 117403

Cypermethrin Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, 52315-07-8
109702
cyano(3-phenoxyphenyl)methyl ester

Zeta-Cypermethrin S-Cyano(3-phenoxyphenyl)methyl (+/-)-cis/trans-3-(2,2-dichloethenyl)- None

129064
2,2-dimethylcyclopropanecarboxylate

Cyromazine N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine 66215-27-8 121301

Daminozide Butanedioic acid mono(2,2-dimethylhydrazide) 1596-84-5 035101

Desmedipham Ethyl m-hydroxycarbanilate carbanilate 13684-56-5 104801

Diazinon O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate 333-41-5 057801

Dicamba 3,6-Dichloro-o-anisic acid 1918-00-9 029801

Dichlobenil 2,6-Dichlorobenzonitrile 1194-65-6 027401

Diclofop 2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid 40843-25-2 110901

Difenzoquat 1H-Pyrazolium, 1,2-dimethyl-3,5-diphenyl- 49866-87-7 106402

Diflubenzuron 1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea 35367-38-5 108201

Dikegulac 2,3:4,6-Bis-O-(1-methylethylidene)-Âˆ-L-xylo-2-hexulofuranosonic acid, 52508-35-7 109601
sodium salt

Dimethipin 2,3-Dihydro-5,6-dimethyl-1,4-dithiin-1,1,4,4-tetraoxide 55290-64-7 118901

Dimethoate O,O-Dimethyl S-((methylcarbamoyl)methyl) phosphorodithioate 60-51-5 035001

Diphacinone 2-(Diphenylacetyl)-1,3-indandione 82-66-6 067701

Diquat Diquat ion 2764-72-9 032202

Dithiopyr 3,5-Pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)- 97886-45-8 128994
6-(trifluoromethyl)-, S,S-dimethyl ester

Diuron 3-(3,4-Dichlorophenyl)-1,1-dimethylurea 330-54-1 035505

Dodine Dodecylguanidine acetate 2439-10-3 044301

Endosulfan 6,7,8,9,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- 115-29-7 079401
benzodioxathiepin-3-oxide

Endothall 7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid 145-73-3 038901

Ethalfluralin Benzenamine, N-ethyl-N-(2-methyl-2-propenyl)-2,6-dinitro- 55283-68-6 113101
4-(trifluoromethyl)-

Ethephon (2-Chloroethyl)phosphonic acid 16672-87-0 099801

Ethion O,O,O',O'-Tetraethyl S,S'-methylene bis(phosphorodithioate) 563-12-2 058401

Ethofumesate 2-Ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate, (+-)- 26225-

79-6 110601

Ethoprop O-Ethyl S,S-dipropyl phosphorodithioate 13194-48-4 041101

Fenarimol Âˆ-(2-Chlorophenyl)-Âˆ-(4-chlorophenyl)-5-pyridinemethanol 60168-88-9 206600

Fenbuconazole 2-Cyano-2-phenyl-2-(-p-chlorophenethyl)ethyl-1H-1,2,4-triazole 114369-43-6 129011

Fenoxaprop 2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propionic acid, ethyl ester,(+-)- 66441-23-4 128701

Fenoxycarb Ethyl 2-(p-phenoxyphenoxy)ethyl carbamate 72490-01-8 253011

Fenpropathrin Âˆ-Cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate 39515-41-8 127901

Fenridazon Potassium 1-(p-chlorophenyl)-1,4-dihydro-6-methyl-4-oxo-pyridazine- 83588-43-6 119001
3-carboxylate

Fluazifop Butyl 2-(4-((5-(trifluoromethyl)-2-pyridinyl)oxy)phenoxy)propanoate 69806-50-4 122805

Flumetsulam (1,2,4)Triazolo(1,5-a)pyrimidine-2-sulfonamide, N-(2,6-difluorophenyl)- 98967-40-9 129016
5-methyl-

Flumiclorac Pentyl 2-chloro-4-fluoro-5-(3,4,5,6-tetrahydrophthalimido)phenoxyacetate 87546-18-7 128724

Fluometuron 1,1-Dimethyl-3-(Âˆ,Âˆ,Âˆ-trifluoro-m-tolyl)urea 2164-17-2 035503

Fluridone 1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1H)-pyridinone 59756-60-4 112900

Flurprimidol Âˆ-Isopropyl-Âˆ-(p-(trifluoromethoxy)phenyl)-5-pyrimidinemethanol 56425-91-3 125701

Fluvalinate N-(2-Chloro-4-trifluoromethyl)phenyl)-D-valine(+-)-cyano 69409-94-5 109302
(3-phenoxyphenyl)methyl ester

Folpet N-((Trichloromethyl)thio)phthalimide 133-07-3 081601

Fomesafen 5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-(methylsulfonyl)- 108731-70-0 123802
2-nitrobenzamide, sodium salt

Formetanate m-(((Dimethylamino)methylene)amino)phenyl-N-methylcarbamate 22259-30-9 465200

Fosamine Ammonium ethyl carbamoylphosphonate 25954-13-6 106701

Glufosinate Butanoic acid, 2-amino-4-(hydroxy-methylphosphinyl)-, 77182-82-2 128850
monoammonium salt

Glyphosate N-(Phosphonomethyl)glycine 1071-83-6 417300

Hexaflumuron Benzamide, N-(((3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy) 86479-06-3 118202
phenyl)amino)carbonyl)-2,6-difluoro-

Hexazinone 3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione 51235-04-2
107201

Hydramethylnon Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone, (3-(4-(trifluoromethyl) 67485-29-4
118401
phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hydrazone

Hydroprene Ethyl(2E,4E)-3,7,11-trimethyl-2,4-dodecadienoate 65733-18-8 128966
41096-46-2 486300

Imazalil 1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazole 35554-44-0 111901

Imazamethabenz m(or p)-Toluic acid, 6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-, 81405-85-
8 128842
methyl ester

Imazapyr 2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-nicotinic acid 81334-34-1 128821

Imazaquin 2-(4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)- 81335-37-7
128848
3-quinolinecarboxylic acid

Imazethapyr (+/-)-2-(4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imadazol- 81335-77-5
128922
2-yl)-5-ethyl-3-pyridinecarboxylic acid

Iprodione 3-(3,5-Dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1- 36734-19-7 109801
imidazolidinecarboxamide

Isazofos O,O-Diethyl O-(5-chloro-1-(1-methylethyl)-1H-1,2,4-triazol-3-yl) 42509-80-8 126901
phosphorothioate

Isoxaben N-(3-(1-Ethyl-1-methylpropyl)-5-isoxazolyl)-2,6-dimethoxybenzamide 82558-50-7
125851

Kinoprene 2-Propynyl (E,E)-3,7,11-trimethyl-2,4-dodecadienoate 42588-37-4 107501

Lactofen 1'-(Carboethoxy)ethyl 5-(2-chloro-4-(trifluoromethyl)phenoxy)- 77501-63-4 128888
2-nitrobenzoate

Linuron 3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea 330-55-2 035506

Mefluidide N-(2,4-Dimethyl-5-(((trifluoromethyl)sulfonyl)amino)phenyl)acetamide 53780-34-0
114001

Metalaxyl N-(2,6-Dimethylphenyl)-N-(methoxyacetyl)alanine, methyl ester 57837-19-1 113501

Methamidophos O,S-Dimethyl phosphoramidothioate 10265-92-6 101201

Methidathion O,O-Dimethyl phosphorodithioate, S-ester with 4-(mercaptomethyl)- 950-37-8 100301
2-methoxy- 2)-1,3,4-thiadiazolin-5-one

Methomyl S-Methyl N-((methylcarbamoyl)oxy)thioacetimidate 16752-77-5 090301

Methoprene Isopropyl (2E,4E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate 40596-69-8
105401

Metolachlor 2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylphenyl) 51218-45-2
108801
acetamide

Metsulfuron Methyl 2-(((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino) 74223-64-6 122010
carbonyl)amino)sulfonyl)benzoate

Myclobutanil Âˆ-Butyl-Âˆ-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile 88671-89-0 128857

Naled 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate 300-76-5 034401

Nicosulfuron 2-(((((4,6-Dimethoxy-2-pyrimidinyl)amino)carbonyl)amino)sulfonyl)- 111991-09-4
129008
N,N-dimethyl-3-pyridinecarboxamide

Nitrapyrin 2-Chloro-6-(trichloromethyl)pyridine 1929-82-4 692031

Norflurazon 4-Chloro-5-(methylamino)-2-(Âˆ,Âˆ,Âˆ-trifluoro-m-tolyl)-3(2H)-pyridazinone 27314-
13-2 105801

Octhilinone 2-Octyl-3(2H)-isothiazolone 26530-20-1 099901

Oryzalin 3,5-Dinitro-N4,N4-dipropylsulfanilamide 19044-88-3 104201

Oxadiazon 2-tert-Butyl-4-(2,4-dichloro-5-isopropoxyphenyl- 2-1,3,4-oxadiazoline-5-one 19666-30-9
109001

Oxamyl Oxamimidic acid, N',N'-dimethyl-N-((methylcarbamoyl)oxy)-1-thio-, 23135-22-0 103801
methyl ester

Oxycarboxin 5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanilide 4,4-dioxide 5259-88-1 090202

Oxyfluorfen 2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene 42874-03-3 111601

Paclobutrazol (2RS,3RS)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl) 76738-62-0
125601
pentan-3-ol

Paraquat 4,4'-Bipyridinium, 1,1'-dimethyl- 4685-14-7 061603

Pendimethalin N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine 40487-42-1 108501

Permethrin Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester 52645-53-1 109701

Phenmedipham Methyl m-hydroxycarbanilate m-methylcarbanilate 13684-63-4 098701

Phorate O,O-Diethyl S-((ethylthio)methyl) phosphorodithioate 298-02-2 057201

Picloram 4-Amino-3,5,6-trichloropicolinic acid 1918-02-1 005101

Pirimiphos-methyl O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl) O,O-dimethyl phosphorothioate 29232-93-7 108102

Prodiamine 2,4-Dinitro-N3,N3-dipropyl-6-(trifluoromethyl)-1,3-benzenediamine 29091-21-2 110201

Profenofos O-(4-Bromo-2-chlorophenyl) O-ethyl S-propyl phosphorothioate 41198-08-7 111401

Prometon 2,4-Bis(isopropylamino)-6-methoxy-s-triazine 1610-18-0 080804

Prometryn 2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine 7287-19-6 080805

Propamocarb Propyl 3-(dimethylamino)propylcarbamate 24579-73-5 119301

Propargite 2-(p-tert-Butylphenoxy)cyclohexyl 2-propynyl sulfite 2312-35-8 097601

Propetamphos 2-Butenoic acid, 3-(((ethylamino)methoxyphosphinothioyl)oxy)-, 1-methylethyl 31218-83-4 113601

Pyrithiobac Sodium 2-chloro-6-(4,6-dimethoxypyrimidin-2-ylthio)benzoate 123343-16-8 078905

Quizalofop Propanoic acid, 2-(4-((6-chloro-2-quinoxalinyl)oxy)phenoxy)-, ethyl ester 76578-14-8 128711

Resmethrin (5-Benzyl-3-furyl)methyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate 10453-86-8 097801

Rimsulfuron N-((4,6-Dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide 122931-48-0 129009

Siduron 1-(2-Methylcyclohexyl)-3-phenylurea 1982-49-6 035509

Simazine 2-Chloro-4,6-bis(ethylamino)-s-triazine 122-34-9 080807

Sulfentrazone Methanesulfonamide, N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)phenyl)- 122836-35-5 129081

Sulfluramid 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro- 4151-50-2 128992

Sulfometuron Methyl 2-(((((4,6-dimethyl-2-pyrimidinyl)amino)carbonyl)amino)sulfonyl)benzoate 74222-97-2 122001

Tebufenozide Benzoic acid, 3,5-dimethyl-, 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl) 112410-23-8 129026
hydrazide

Tebuthiuron N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea 34014-18-1 105501

Tefluthrin (2,3,5,6-Tetrafluoro-4-methylphenyl)methylcis-3-(2-chloro-3,3,3- 79538-32-2 128912
trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate

Temephos Phosphorothioic acid, O,O'-(thiodi-4,1-phenylene) 3383-96-8 059001
O,O,O',O'-tetramethyl ester

Terbacil 3-tert-Butyl-5-chloro-6-methyluracil 5902-51-2 012701

Terbufos S-(((1,1-Dimethylethyl)thio)methyl) O,O-diethyl phosphorodithioate 13071-79-9 105001

Terbuthylazine 2-tert-Butylamino-4-chloro-6-ethylamino-s-triazine 5915-41-3 080814

Tetramethrin (1-Cyclohexene-1,2-dicarboximido)methyl 2,2-dimethyl-3-(2-methylpropenyl) 7696-12-0 069003
cyclopropanecarboxylate

Thiazopyr 3-Pyridinecarboxylic acid, 2-(difluoromethyl)-5-(4,5-dihydro-2-thiazolyl)- 117718-60-2 129100
4-(2-methylpropyl)-6-(trifluoromethyl)-, methyl ester

Thidiazuron N-Phenyl-N'-(1,2,3-thiadiazyl)urea 51707-55-2 120301

Thifensulfuron Methyl 3-(((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl) 79277-27-3 128845
amino)sulfonyl)-2-thiophenecarboxylate

Thiodicarb Dimethyl N,N'-(thiobis((methylimino)carbonyloxy))bis(ethanimidothioate) 59669-26-0 114501

Thiophanate-methyl Dimethyl ((1,2-phenylene)bis(iminocarbonothioyl))bis(carbamate) 23564-05-8 102001

Tralomethrin 2,2-Dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropropanecarboxlic acid, 66841-25-6 121501
cyano(3-phenoxyphenyl)methyl ester

Tribenuron Methyl 2-(((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino) 101200-48-0 128887
carbonyl)amino)sulfonyl)benzoate

Triclopyr 3,5,6-Trichloro-2-pyridinyloxyacetic acid 55335-06-3 116001

Tridiphane 2-(3,5-Dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane 58138-08-2 123901

Trifluralin Âˆ,Âˆ,Âˆ-trifluro-2,6-dinitro-N,N-dipropyl-p-toluidine 1582-09-8 036101

Triflusulfuron Benzoic acid, 2-(((((4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)- 126535-15-7

129002
1,3,5-triazin-2-yl)amino)carbonyl)amino)sulfonyl)-3-methyl-,
methyl ester

Triforine N,N'-(1,4-Piperazinediylbis(2,2,2-trichloroethylidine)bis(formamide) 26644-46-2 107901

Thiobencarb S-((4-Chlorophenyl)methyl) N,N-diethylthiocarbamate 28249-77-6 108401

Uniconazole (S-(E))-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)- 83657-17-4 128976
pent-1-ene-3-ol

Appendix B
PR Notice 97-5

COMMON NAMES FOR USE ON PESTICIDE LABELS
APPROVED BY
THE ENVIRONMENTAL PROTECTION AGENCY

COMMON NAME CHEMICAL NAME CAS # PC CODE

Acrolein 2-Propenal 107-02-8 000701

Alcohols, Cx - Cxx Fatty alcohols (% of various carbon chain lengths in parentheses) 68603-15-6
079029
85566-12-7 079059
68603-15-6 079089

Aliphatic petroleum solvent Aliphatic petroleum hydrocarbons Numerous 063503

Allethrin 2-Methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl 2,2-dimethyl-3- 584-79-2 004001
(2-methyl-1-(2-methyl-1-propenyl) cyclopropanecarboxylic acid 004003
42534-61-2 004005

Ammonium soaps of fatty acids Ammonium salts of C8-C18 and C18' fatty acids 84776-33-0 031801

Aromatic petroleum solvent Aromatic petroleum derivative solvent, distillate, oil, or hydrocarbons
68477-31-6 006501
68602-80-2 006601

Azadirachtin 2',3',22,23-Tetrahydroazadirachtin Several 121701

Azinphos-methyl O,O-Dimethyl S-((4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl) 86-50-0 058001
phosphorodithioate

Basic copper zinc sulfate complex Basic copper III-zinc sulfate complex 55072-57-6 008102

Benfluralin N-Butyl-N-ethyl-Âˆ,Âˆ,Âˆ-trifluoro-2,6-dinitro-p-toluidine 1861-40-1 084301

Bensulide S-(O,O-Diisopropyl phosphorodithioate)ester of N-(2-mercaptoethyl) 741-58-2 009801
benzenesulfonamide

Benzocaine Ethyl p-aminobenzoate 94-09-7 097001

Benzyladenine N-(Phenylmethyl)-1H-purin-6-amine 1214-39-7 116901

Betadine Polyvinylpyrrolidone - iodine complex 25655-41-8 046914

Bioallethrin d-trans-Chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy- 28434-00-6
004004
3-methyl-2-cyclopenten-1-one

Bioresmethrin Benzyl-3-furylmethyl(+)-trans-chrysanthemate 28434-01-7 097802

Bromadiolone 3-(3-(4'-Bromo-(1,1'-biphenyl)-4-yl)-3-hydroxy-1-phenylpropyl)- 28772-56-7 112001
4-hydroxy-2H-1-benzopyran-2-one

Bronopol 2-Bromo-2-nitropropane-1,3-diol 52-51-7 216400

Butoxycarboxim 3-(Methylthio)-2-butanone O-(methylcarbamoyl)oxime 34681-23-7 113001

Butylate S-Ethyl diisobutylthiocarbamate 2008-41-5 041405

Capsaicin Capsaicin (in oleoresin of capsicum) 404-86-4 070701

Captan cis-N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide 133-06-2 081301

Carbendazim Methyl 2-benzimidazolecarbamate 10605-21-7 128872

Chlorflurenol, methyl ester Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate 2536-31-4 098801
37339-61-0

Chlormequat chloride 2-Chloroethyl trimethyl ammonium chloride 999-81-5 018101

Chlorophacinone 2-((p-Chlorophenyl)phenylacetyl)-1,3-indandione 3691-35-8 067707

Chloroxylenol 4-Chloro-3,5-xylenol 88-04-0 086801

Chlorpropham Isopropyl N-(3-chlorophenyl)carbamate 101-21-3 018301

N-(coco alkyl)trimethylenediamine 1-(Alkyl* amino)-3-aminopropane *(as in fatty acids of coconut
oil) 61791-63-7 067301

Cocoamine acetate Alkyl* amine acetate (5%C8, 7%C10, 54%C12, 19%C14, 8%C16, 7%C18)
61790-57-6 067329

Copper ethylene diamine complex Copper as elemental from copper-ethylenediamine complex
13426-91-0 024407

Copper ethanolamine complex Copper as elemental from copper-ethanolamine complex 14215-52-2
024409

Coumaphos O,O-Diethyl O-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) 56-72-4 036501
phosphorothioate

Cyanazine 2-Chloro-4-((1-cyano-1-methylethyl)amino)-6-(ethylamino)-s-triazine 21725-46-2
100101

Cycloate S-Ethyl cyclohexylethylthiocarbamate 1134-23-2 041301

Cyfluthrin Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)- 68359-37-5 128831
2,2-dimethylcyclopropanecarboxylic acid

Cyhalothrin (R+S)-Âˆ-Cyano-3-phenoxybenzyl (1S+1R)-cis-3-(Z-2-chloro- 91465-08-6 128897
3,3,3-trifluoroprop-1-enyl)2,2-dimethylcyclopropanecarboxylic acid

Cyphenothrin Âˆ-cyano-3-phenoxybenzyl 2,2-dimethyl-3- 39515-40-7 129013
(2-methylpropenyl)cyclopropanecarboxylate

Cyproconazole Âˆ-(4-Chlorophenyl)-Âˆ-(1-cyclopropylethyl)-1H-1,2,4- 94361-06-5 128993
triazole-1-ethanol

2-4,D 2,4-Dichlorophenoxyacetic acid 94-75-7 030001
2,4-D, lithium salt 3766-27-6 030002
2,4-D, sodium salt 2702-72-9 030004
2,4-D, alkanolamine salt None 030010
2,4-D, tetradecylamine salt 28685-18-9 030013
2,4-D, diethanolamine salt 5742-19-8 030016
2,4-D, dimethylamine salt 2008-39-1 030019
2,4-D, isopropylamine salt 5742-17-6 030025
2,4-D, triisopropanolamine salt 32341-80-3 030035
2,4-D, butoxyethyl ester 1929-73-3 030053
2,4-D, 2-ethylhexyl ester 1928-43-4 030063
2,4-D, isopropyl ester 94-11-1 030066

Dazomet Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione 533-74-4 035602
Dazomet, sodium salt 53404-60-7 035607

DCPA (or chlorthal-dimethyl?) Dimethyl tetrachloroterephthalate 1861-32-1 078701

Deltamethrin (S)-Âˆ-Cyano-m-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)2,2- 52918-63-5
097805
dimethylcyclopropanecarboxylate

Dicofol 1,1-bis(chlorophenyl)-2,2,2-trichloroethane 115-32-2 010501

Dichlorprop 2-(2,4-Dichlorophenoxy)propionic acid 120-36-5 031401
Dichlorprop-P 15165-67-0 031402

Dichlorvos 2,2-Dichlorovinyl dimethyl phosphate 62-73-7 084001

Dicloran 2,6-Dichloro-4-nitroaniline 99-30-9 031301

Dicrotophos Dimethyl phosphate ester with 3-hydroxy-N,N-dimethyl-cis-crotonamide 141-66-2
035201

Diethyl toluamide N,N-Diethyl-m-toluamide and other isomers 134-62-3 080301

Dienochlor Decachlorobis(2,4-cyclopentadiene-1-yl) 2227-17-0 027501

Difenoconazole 1H-1,2,4-Triazole, 1-((2-(2-chloro-4-(4-chlorophenoxy)phenyl)- 119446-68-3 128847
4-methyl-1,3-dioxolan-2-yl)methyl)-

Difethialone 2H-1-Benzothiopyran-2-one, 3-(3-(4'-bromo- 104653-34-1 128967
(1,1'-biphenyl)-4-yl-1,2,3,4-tetrahydro-1-naphthalenyl-4-hydroxy-

Dimethenamid Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)- 87674-68-8 129051
N-(2-methoxy-1-methylethyl)-

Dinocap 2,4-Dinitro-6-octyl phenyl crotonate 39300-45-3 036001

Dipropylene glycol Oxybis(propanol) 25265-71-8 068604

Disulfoton O,O-Diethyl S-2-(ethylthio)ethyl) phosphorodithioate 298-04-4 032501

DSMA Disodium methanearsonate 144-21-8 013802

EDTA Ethylenediaminetetraacetate
EDTA, tetrasodium salt Tetrasodium ethylenediaminetetraacetate 64-02-8 039107
EDTA, copper salt Copper ethylenediamine tetraacetate 12276-10-6 039105

Egg solids Putrescent whole egg solids 51609-52-0 105101

Ethoxyquin 6-Ethoxy-1,2-dihydro-2,2,4-trimethyl quinoline 91-53-2 055501

Esfenvalerate (S-(R*,R*))-4-Chloro-Âˆ-(1-methylethyl)benzeneacetic acid, 66230-04-4 109303
cyano(3-phenoxyphenyl)mesthyl ester

Etridiazole 5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole 2593-15-9 084701

Farnesol 3,7,11-Trimethyl-2,6,10-dodecatriene-1-ol 4602-84-0 128910

Fenamiphos Ethyl 4-(methylthio)-m-tolyl isopropylphosphoramidate 22224-92-6 100601

Fenthion O,O-Dimethyl O-(4-(methylthio)-m-tolyl)phosphorothioate 55-38-9 053301

Fenbutatin-oxide Hexakis (2-methyl-2-phenylpropyl)distannoxane 13356-08-6 104601

Fenitrothion O,O-Dimethyl O-(4-nitro-m-tolyl)phosphorothioate 122-14-5 105901

Fentin hydroxide Triphenyltin hydroxide 76-87-9 083601

Fenvalerate 4-Chloro-Âˆ-(1-methylethyl)benzeneacetic acid, 51630-58-1 109301
cyano(3-phenoxyphenyl)methyl ester

Ferbam Ferric dimethyldithiocarbamate 14484-64-1 034801

Fipronil 5-Amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4- 120068-37-3 129121
(1,R,S)-(trifluoromethyl)sulfinyl)-1H-p

Fludioxonil 1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)- 131341-86-1 071503

Flumetralin 2-Chloro-N-(2,6-dinitro-4-(trifluoromethyl)phenyl)-N-ethyl-6- 62924-70-3 123001
fluorobenzenemethanamine

Flutolanil Âˆ,Âˆ,Âˆ-Trifluoro-3'-isopropoxy-o-toluanilide 66332-96-5 128975

Fonofos O-Ethyl S-phenyl ethylphosphonodithioate 944-22-9 041701

Fosetyl-Al Aluminum tris(O-ethylphosphonate) 39148-24-8 123301

Garlic oil Allium sativum 8000-78-0 128827

Halosulfuron 3-Chloro-5-(((((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl) 100784-20-1 128721
amino)sulfonyl)-1-methyl-1H-pyrazole

Heptachlor 1,4,5,6,7,8,8-Heptachlorotetrahydro-4,7-methanoindene 76-44-8 044801

Hexythiazox trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2- 78587-05-0 128849
oxo-3-thiazolidinecarboxamide

Hydrochloric acid Hydrogen chloride 7647-01-0 045901

Hymexazol 5-Methylisoxazol-3-ol 10004-44-1 129107

Imidacloprid 1-((6-Chloro-3-pyridinyl)methyl)-N-nitro-2-imidazolidinimine 138621-41-3 129099

Isofenphos 1-Methylethyl 2-((ethoxy((1-methylethyl)amino)phosphinothioyl)oxy) 25311-71-1
109401
benzoate

Isopropyl alcohol Isopropanol 67-63-0 047501

Linalool 3,7-Dimethyl-1,6-octadien-3-ol 78-70-6 128838

Lindane Gamma isomer of benzene hexachloride 58-89-9 009001

Malathion O,O-Dimethyl phosphorodithioate of diethyl mercaptosuccinate 121-75-5 057701

Maleic hydrazide 1,2-Dihydro-3,6-pyridazinedione 123-33-1 051501
Maleic hydrazide, potassium salt 28382-15-2 051503

Mancozeb Coordination product of zinc ion and manganese ethylenebis- 8018-01-7 014504
(dithiocarbamate)

Maneb Manganese ethylenebis(dithiocarbamate) 12427-38-2 014505

MCPA (and salts and esters) 2-Methyl-4-chlorophenoxyacetic acid 94-74-6 030501
MCPA, sodium salt 3653-48-3 030502

MCPA, diethylamine salt 2039-46-5 030516
MCPA, 2-ethylhexyl ester 29450-45-1 030564

MCPB (and salts) 4-(2-Methyl-4-chlorophenoxy)butyric acid 94-81-5 019201
MCPB, sodium salt 6062-26-6 019202

Mecoprop (and salts and esters) 2-(2-Methyl-4-chlorophenoxy)propionic acid 7085-19-0 031501
Mecoprop, potassium salt 1929-86-8 031503
Mecoprop, dimethylamine salt 32351-70-5 031519
Mecoprop, isooctyl ester 28473-03-2 031563

Mepiquat chloride N,N-Dimethylpiperidinium chloride 24307-26-4 109101

Metam-sodium Sodium N-methyldithiocarbamate 137-42-8 039003

Metaldehyde 2,4,6,8-Tetramethyl-1,3,5,7-tetroxocane 108-62-3 053001

Methiocarb 4-(Methylthio)-3,5-xylyl methylcarbamate 2032-65-7 100501

Methoxychlor 2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane) 72-43-5 034001

Methyl chloroform 1,1,1-Trichloroethane 71-55-6 081201

Methyl parathion O,O-Dimethyl O-p-nitrophenyl phosphorothioate 298-00-0 053501

Metiram Mixture of 5.2 parts by weight of (ethylenebis(dithiocarbamato)) zinc 9006-42-2 014601 with 1 part ammonia

Metribuzin 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)- 21087-64-9 101101

Molinate S-Ethyl hexahydro-1H-azepine-1-carbothioate 2212-67-1 041402

MSMA (and salts) Monosodium acid methanearsonate 2163-80-6 013803
MSMA, calcium salt 5902-95-4 013806

Nabam Disodium ethylenebis(dithiocarbamate) 142-59-6 014503

Napropamide N,N-Diethyl-2-(1-naphthalenyloxy)propanamide 15299-99-7 103001

Naptalam Sodium N-1-naphthylphthalamate 132-67-2 030703

Neem oil Fats and glyceridic oils, margosa None 025006

Nerolidol 3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol 7212-44-4 128911

Niclosamide 2-Aminoethanol salt of 2',5-dichloro-4'-nitrosalicylanilide 1420-04-8 077401

Oil of jasmine Oils, jasmine 8022-96-6 040501

Oil of mustard Allyl isothiocyanate 57-06-7 004901

Oil of wintergreen Methyl salicylate 119-36-8 076601

Oxadixyl N-(2,6-Dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide 77732-09-3 126701

Oxazolidine-E 7a-Ethyldihydro-1H,3H,5H-oxazolo(3,4-c)oxazole 7747-35-5 128909

Oxydemeton-methyl S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl phosphorothioate 301-12-2 058702

Oxytetracycline hydrochloride Hydroxytetracycline monohydrochloride 2058-46-0 006308

Oxythioquinox Methyl-2,3-quinoxalinedithiol cyclic S,S-dithiocarbonate 2439-01-2 054101

Parathion O,O-Diethyl O-p-nitrophenyl phosphorothioate 56-38-2 057501

Pebulate S-Propyl butylethylthiocarbamate 1114-71-2 041403

Phenothrin (3-Phenoxyphenyl)methyl d-cis and trans* 2,2-dimethyl-3- 26002-80-2 069005 (2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylic acid

Phosmet N-(Mercaptomethyl)phthalimide S-(O,O-dimethyl phosphorodithioate 732-11-6 059201

Phostebupirim Phosphorothioic acid, O-(2-(1,1-dimethylethyl)-5-pyrimidinyl) 96182-53-5 129086 O-ethyl O-(1-methylethyl) ester

Pindone 2-Pivalyl-1,3-indandione 83-26-1 067703
Pindone, sodium salt 6120-20-3 067704

Piperalin 3-(2-Methylpiperidino)propyl 3,4-dichlorobenzoate 3478-94-2 097003

Piperonyl butoxide (Butylcarbityl)(6-propylpiperonyl) ether 80% and related compounds 51-03-6 067501

Potassium bicarbonate Carbonic acid, monopotassium salt 298-14-6 073508

Potassium laurate Potassium salts of fatty acids Numerous 079021

Potassium triiodide Iodine - potassium iodide complex 12298-68-9 046917

Primisulfuron-methyl Methyl 2(((((4,6-bis(difluoromethoxy)-2- 86209-51-0 128973 pyrimidinyl)amino)carbonyl)amino)sulfonyl)benzoate

Propachlor 2-Chloro-N-isopropylacetanilide 1918-16-7 019101

Propanil 3',4'-Dichloropropionanilide 709-98-8 028201

Propiconazole 1-((2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl) 60207-90-1 122101 methyl)-1H-1,2,4-triazole

Propoxur o-Isopropoxyphenyl methylcarbamate 114-26-1 047802

Propylene glycol 1,2-Propanediol 57-55-6 068603

Propyzamide 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide 23950-58-5 101701

Prosulfuron 1-(4-Methoxy-6-methyl-triazine-2-yl)-3-(2- 94125-34-5 129031
(3,3,3-trifluoropropyl)phenylsulfonyl)urea

Pyrethrum Pyrethrum flowers 8003-34-7 069000

Pyridate O-(6-Chloro-3-phenyl-4-pyridazinyl) S-octyl carbonothioate 55512-33-9 128834

Quinclorac 3,7-Dichloro-8-quinolinecarboxylic acid 84087-01-4 128974

Quintozene Pentachloronitrobenzene 82-68-8 056502

Red squill Scilliroside 507-60-8 070801

Sabadilla alkaloids Veratrine (mixture, Cevadine +veratridine, with other alkaloids) 8051-02-3
002201

Sethoxydim 2-(1-(Ethoxyimino)butyl)-5-(2-(ethylthio)propyl)- 74051-80-2 121001
3-hydroxy-2-cyclohexen-1-one

Sodium dichromate Sodium dichromate 10588-01-9 068304
Sodium dichromate, dihydrate 7789-12-0 068306

Sodium pyrithione Sodium-2-pyridinethiol-1-oxide 15922-78-8 088004

Streptomycin Streptomycin A 7773-06-0 005501

Sulfosate Trimethylsulfonium carboxymethylaminomethylphosphonate 81591-81-3 128501

Sulfotepp O,O,O,O-Tetraethyl dithiopyrophosphate 3689-24-5 079501

Tebuconazole 1H-1,2,4-Triazole-1-ethanol, Âˆ-(2-(4-chlorophenyl)ethyl)- 107534-96-3 128997
Âˆ-(1,1-dimethylethyl)-

Tetrachlorvinphos 2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate 961-11-5 083701

Thiabendazole 2-(4'-Thiazolyl)benzimidazole 148-79-8 060101
Thiabendazole hypophosphite 28558-32-9 060102

Thiram Tetramethyl thiuram disulfide 137-26-8 079801

Triadimefon 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone 43121-43-3
109901

Triadimenol -(4-Chlorophenoxy)-Âˆ-(1,1-dimethylethyl)- 55219-65-3 127201
1H-1,2,4-triazole-1-ethanol

Triallate S-(2,3,3-Trichloroallyl)diisopropylthiocarbamate 2303-17-5 078802

Triasulfuron 3-(6-Methoxy-4-methyl-1,3,5-triazin-2-yl)- 82097-50-5 128969
1-(2-(2-chloroethoxy)phenylsulfonyl)urea

Tribuphos S,S,S-Tributyl phosphorotrithioate 78-48-8 074801

Tributyltin oxide Bis(tributyltin) oxide 56-35-9 083001

Trichlorfon Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate 52-68-6 057901

Triethanolamine Tris(2-hydroxyethyl)amine 102-71-6 004208

Triflumizole 1-(1-((4-Chloro-2-(trifluoromethyl)phenyl)imino)- 68694-11-1 128879
2-propoxyethyl)-1H-imidazole

Trinexapac-ethyl Cyclohexanecarboxylic acid, 4-(cyclopropylhydroxymethylene)-3,5-dioxo-, 95266-40-3 112602
ethyl ester

Vernolate S-Propyl dipropylthiocarbamate 1929-77-7 041404

Vinclozolin 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione 50471-44-8 113201

Vinegar Acetic acid 64-19-7 044001

Warfarin 3-(Âˆ-Acetonylbenzyl)-4-hydroxycoumarin 81-81-2 086002
Warfarin, sodium salt 129-06-6 086003

Zinc pyrithione Zinc 2-pyridinethiol-1-oxide 13463-41-7 088002

Ziram Zinc dimethyldithiocarbamate 137-30-4 034805

Appendix C
PR Notice 97-5

April 1996

PROCEDURES TO BE FOLLOWED BY SPONSORS OF PROPOSED
COMMON NAMES FOR PEST CONTROL CHEMICALS

The basic instructions to complete the application are contained in the document K62.1-1985, Common Name for a Pest Control Chemical - Procedure for Acceptance. Another document useful in selecting a common name is ISO 257. Both are available from ANSI's Sales Department, 11 West 42nd Street, New York, New York 10036 (telephone number 212-642-4900).

Some of the information needed in the application is the Chemical Abstracts (CA) chemical name, the Chemical Abstracts Service Registry Number, and both molecular and structural formulae. Prior to submit the application, a copy of the chemical information should be sent to the K62 committee contact with the Chemical Abstracts Service:

Dr. Dan Stossel

Chemical Abstracts Service
Department 64
P.O. Box 3012
Columbus, Ohio 43210

Phone: 614-447-3600, ext. 2950
FAX: 614-447-3713, Attn: Dr. Dan Stossel, Dept 64

He will verify the CAS nomenclature, drawing of the structures, and the CAS registry numbers that are cited. He is also the person to contact if a CAS registry number assignment is needed. Often, Dr. Stossel can supply helpful comments on the use of ISO Recommended Syllables and give an opinion as to the likelihood of acceptance of the selected common name. His letter of response/approval should then be included in the submission.

It is a principle that common names shall not be liable to confusion with commercial trademarks. To check this as far as is practicable, sponsors of common names are required to obtain, pay for, and submit to the Secretariat, reports of trademark searches in classes 1 and 5 of the following registers.

If for U.S. use only, ANSI requires a search from:

(a) The United States of America. This includes a Patent and Trademark Office (PTO) and common law search.

If for international use, ISO requires a trademark search from:

(a) International listings
(b) The United States of America (as above)
(c) The United Kingdom
(d) The sponsor's country (same as (b) if U.S.A. submission)

If the proposed common name is already established as an International Nonproprietary Name (INN) for the same pesticide or other agrochemical, only a United States of America trademark search is required. Additional information on trademark searches is available.

Note: It is permissible for the name that is being proposed as a common name to be registered as a trademark in order to protect it until the common name has been adopted by ISO. All such rights have, however, to be relinquished as soon as the common name has been so adopted.

It should be noted, however, that if a proposed common name be unacceptable at any stage for any reason, and a replacement common name considered, it is usually necessary for further trademark reports to be submitted. The reports are not required for common name proposals formed by attaching suffixes to common names for which trademark reports have previously been submitted.

Submit 25 copies of each document you submit. This is indicated in ANSI K62.1-1985. Be sure to include 25 copies of any required trademark searches. All of these requested copies can be photocopies of the original

materials.

ANSI charges an application fee of $900. When making your formal submission, a check should be made out to, and sent directly to: ANSI, c/o Fran Schrotter (Re: K62 Application Fee), 11 West 42nd Street, New York, New York 10036. Your cover letter should indicate the proposed common name for which the fee applies. Please courtesy copy Glenn Hanes. Only the check is to go to Ms. Schrotter. The formal submission and all correspondence is to be sent to Mr. Hanes at the address below.

In summary, to complete the application:

1. Obtain CA names, CAS registry numbers, structures.

2. Have Dr. Stossel verify the chemical information.

3. Send application as stated in ANSI K62.1-1985 document.

4. Include Dr. Stossel's letter of response in the submission.

5. In the application or in a cover letter, clearly indicate if the proposed name is approved, or is pending approval, as an ISO name. If a U.S. trademark search was done as part of a recent ISO submission, that search is probably sufficient to accompany this application.

6. Include the U.S. trademark search. Also include U.K. and international (WIPO) trademark searches if consideration as an international common name is requested.

7. Send 25 copies (photocopies) of the entire submission to Mr. Glenn Hanes, Chairman, K62 Committee, at USDA, ARS, PRS, Bldg 1072, BARC-East, 10300 Baltimore Avenue, Beltsville, Maryland 20705-2350.

8. Only the application fee should be sent to: ANSI, c/o Fran Schrotter (Re: K62 Application Fee), 11 West 42nd Street, New York, New York 10036.

If you have procedural questions, please direct them to Mr. Glenn Hanes. Voice: 301-504-8137, FAX: 301-504-8142, Attn: G. Hanes).