



ONTARIO GUIDELINES FOR CLASSIFICATION OF PESTICIDE PRODUCTS

PESTICIDES ADVISORY COMMITTEE

MAY 1989

SB
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.058
1989



Environment
Ontario

Jim Bradley
Minister

SB
965
.058
1989

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Jim

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Pesticides
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Comité
consultatif
sur les pesticides

C7M1048

PESTICIDE PRODUCT - EVANS

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June 28, 1989

The Honourable Jim Bradley
Minister
Ministry of the Environment
135 St. Clair Avenue West
15th Floor
TORONTO, Ontario
M4V 1P5

Dear Mr. Bradley:

The Pesticides Advisory Committee has just completed a revision of the public document: Guidelines for the Classification of Pesticide Products in Ontario, May '89. Legal Services has been very helpful in ensuring compliance with the intent of the Pesticides Act and the Hazardous Contaminants Coordination Branch has also contributed to the current text.

The major addition to this document (June '86) is the inclusion of the application form for registrants to complete, and a clear definition of the minimum information required for a classification recommendation to be made.

The Committee also has been routinely consulted for advice whenever any aspect of the registration of a pesticide product changes, i.e., trade name, registrant code, label uses, or other. Some of these items have no impact on how the product would be scheduled and, as such, entail a purely administrative function. Your Hazardous Contaminants Coordination Branch has agreed that such changes need not be presented to the Committee, but simply recorded as an Ontario Gazette entry at the next appropriate opportunity. A clarification of the roles of both OPAC and HCCB is now set out in the revised Guideline.

The Committee has organized an information meeting on July 20th, 1989 with representatives of the major client groups to discuss the details of the classification process. Groups such as the Crop Protection Institute of Canada (CPIC) and the Canadian Manufacturers of Specialty Chemicals Association (CMCS), who, we are aware, have written you directly about such matters, have been invited.

We do not intend, at this time, that there be other major revisions to the publication. We have printed a limited number of the attached for discussion purposes July 20th, and are not planning to circulate the document widely until after this meeting, as some fine tuning to the text may be necessary. When all this is done, we shall ask you to approve a mailing to all registrants.

Yours truly,



Alvin Evans, B.S., D.V.M.
Chairman
Pesticides Advisory Committee

AE:gm

Enclosure

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May 1989

ONTARIO GUIDELINES FOR
CLASSIFICATION OF PESTICIDES PRODUCTS

Ontario's Pesticides Act and Regulation 751, administered by the Ministry of the Environment, prohibits the sale and use of a pesticide product unless it is registered under the federal Pest Control Products Act and classified in one of the schedules of the Ontario Regulation; or is exempt from classification.

Pesticide products are classified into six schedules in Regulation 751 on the basis of their toxicity, environmental or health hazard, persistence of the active ingredient or its metabolites, concentration, usage, federal class and registration status. This classification system provides the basis for regulating the distribution, availability and use of pesticide products in Ontario.

Products initially recommended for classification are usually first given "interim status" (ref s 20 (1) of the Regulations). These products are **proposed** by the Minister for inclusion in a schedule to Regulation 751, and the **proposal** is published in The Ontario Gazette. Under the Regulations, an interim status product has virtually the same status as a fully classified product, as to its sale, transport, and use.

"Interim status" continues for 18 months or less, during which time a review is made, and a recommendation as to continuation in "interim status" for another period, removal from classification, or change in status to "full" classification.

The review of "interim status" products classified over the previous 12 months is conducted in the fall of the year, in time to enter products as "full" classification at the year end Regulation change. Registrants may be asked to provide additional information to assist in this review. The product can then be included by the Minister in a schedule to Regulation 751 and published in The Ontario Gazette. A list of products having "full" provincial status is also published by the Hazardous Contaminants Co-Ordination Branch in a book entitled Index of Agent Codes, which is revised annually.

The procedure followed in classifying new pesticide products is as follows:

1. Registrants are required to provide the Ontario Pesticides Advisory Committee with a completed and signed

application form for classification, the federal certificate of registration, approved label and supporting information.

All applications for classification must be submitted to the Chairman, Ontario Pesticides Advisory Committee, Ministry of the Environment.

2. The Committee meets monthly and routinely recommends how a product should be classified. The Minister makes the final decision on product classification.

Notice of proposed scheduling of products that have been approved by the Minister of the Environment will be regularly published in The Ontario Gazette as "interim status" products.

The Pesticides Advisory Committee does not advise the applicant of its recommendation to the Minister nor of his decision. Notification of classification (ie publication in The Ontario Gazette) is made by the Hazardous Contaminants Co-ordination Branch through letter to the registrant.

3. Once the notice has been published in the Ontario Gazette, a pesticide product can be legally sold, used, stored, displayed or transported provided it is treated as being in the schedule specified in the notice. It normally takes 7-13 weeks from the time the Committee receives a submission to the date the Minister's decision is gazetted.
4. The "interim status" of products remains in effect until:
 - a. the product is placed in a schedule to Regulation 751 by a regulatory amendment.
 - b. eighteen months have passed since the listing was published in The Ontario Gazette; or
 - c. a revocation of the listing is published in The Ontario Gazette;
5. The "interim status" of a product will be reviewed within eighteen months of publication in The Ontario Gazette and the product will be considered for placement in one of the six schedules to Regulation 751.
6. A product which has been placed in a schedule to Regulation 751 retains this classification (ie has "full"

classification) until changed or revoked.

Where a classified product is transferred (viz change in registrant or agent), renamed, granted expanded registered uses, or has otherwise been amended, contact the Pesticides Section of the Ministry regarding procedure to have these changes recorded. This may also apply to packaging and formulation changes.

**SOURCES OF INFORMATION ON THE SCHEDULE
OF A PESTICIDE**

For information concerning pesticides and their classification or use, please contact:

**The Pesticides Section,
Hazardous Contaminants Co-ordination Branch,
Ministry of the Environment,
Suite 100, 135 St. Clair Avenue West,
Toronto, Ontario, M4V 1P5,**

Telephone: (416-323-5095)

**CLASSIFICATION CRITERIA FOR
FEDERALLY REGISTERED PRODUCTS**

A pesticide product cannot be classified in Ontario without being federally registered. Proof of registration is the certificate of registration.

Under the Pest Control Products Act, a product may be identified on the front panel of the approved label as Domestic, Industrial, Agricultural, Manufacturing Concentrate, etc; these are federal classes. The Pesticides Advisory Committee will consider the federal class of the product in its review of the submission for classification but there is no direct correlation between the federal class of a product and the provincial schedules. The Pesticides Act allows Ontario to be more restrictive than the federal government, but not less restrictive.

**CLASSIFICATION CRITERIA FOR PRODUCTS CLASSIFIED
"RESTRICTED" UNDER THE PEST CONTROL PRODUCTS ACT**

Where a pesticide product is submitted for classification under the Pesticides Act, and contains an active ingredient or a mixture of active ingredients acceptable under Schedule 3 or 6 but carries a federal label exclusively "Restricted" under The PCP Act, that product will be classified in a schedule no less restrictive than Schedule 2.

**CLASSIFICATION CRITERIA FOR PRODUCTS GRANTED
TEMPORARY REGISTRATION UNDER THE PCP ACT**

Where a product is submitted for classification under the Pesticides Act, and the end use formulation and/or the technical active ingredient have a federal registration that is temporary, that product will be normally classified in no less restrictive a schedule than Schedule 2. Where the information required by the federal authorities is exclusively efficacy, a more lenient schedule may be considered.

EXEMPTIONS FROM CLASSIFICATION
UNDER THE PESTICIDES ACT

Section 108(1) of the Regulations exempts from Ontario classification mechanical devices that do not utilize a scheduled pesticide or other chemical.

Section 108(2) of the Regulations exempts from Ontario classification some federally registered pesticide products which are used solely in the extermination of microorganisms. The Pesticides Advisory Committee may consider whether a product of this type should be classified. In the event a registrant is unsure a product is exempt, application for classification may be filed.

The requirement for classification as set out in section 21 of the Regulations applies to pesticides used in exterminations and not to pesticides used for other purposes, such as manufacturing processes. In addition the pesticide must first be registered under the federal Pest Control Product Act; therefore some items containing pesticides but which are not considered to be pesticides themselves such as paints, some soaps, wallpaper adhesives, etc are not subject to classification.

REVIEW OF PREVIOUSLY CLASSIFIED PESTICIDE PRODUCTS

Technical active ingredients and end-use products are reviewed from time to time as additional scientific and technical information become available. During such reviews manufacturers may be requested to provide additional information on a technical active ingredient or end-use product. Reclassification of end-use products to more restrictive or less restrictive schedules may result, or they may remain in their original schedules. Where a Registrant desires a product review for the purpose of reclassification an application for classification must be provided with an explanation under Item 24 that this product is already scheduled but reconsideration is requested. Pertinent support documentation should accompany the application.

REMOVAL FROM CLASSIFICATION

Maintenance of a product in an Ontario schedule, for legal sale and use is related to the federal registration status. Agriculture Canada may remove a product from registration through cancellation, suspension, discontinuation and non-eligibility for renewal at the next renewal period (every 5 years). In response to such a federal action, or on the basis of provincial concerns, the Minister may take action to remove the product from a schedule. He may also ask the registrant to recall stock at the wholesale and retail levels or maintain a product in a schedule for a period of time after federal action to allow the retail and consumer supplies to become exhausted (provided federal action permits).

Where Ontario proposes to declassify a product in such circumstances, registrants are notified and provided an opportunity to comment within a 2-3 week period. Where the registrant has been alerted that declassification is proposed and plans to reinstate registration at the federal level, Ontario will remove the product from the schedule until the federal requirements are satisfied, and an application for classification is processed.

SCHEDULES

Schedule 1

Pesticides * in this schedule can only be used under the authority of a licence and permit unless exempt. Sale of Schedule 1 pesticides is allowed only through wholesale vendors and holders of Class 1 retail vendor licences. A record must be kept of each sale.

Schedule 1 includes: Pesticides that pose a serious hazard to human health and/or the environment. For example:-

- a) pesticides that are persistent and/or give rise to persistent metabolites that produce undesirable side effects on humans or other nontarget organisms either by acute or chronic toxicity.
- b) pesticides exhibiting acute oral LD₅₀ values for formulated product of less than 50 mg/kg body weight.
- c) pesticides exhibiting acute dermal LD₅₀ values for formulated product of less than 100 mg/kg body weight.
- d) pesticides which through their mode of action may inflict unnecessary suffering to pest vertebrate animals.

* The term pesticides includes technical active ingredients, manufacturing concentrates and enduse formulations.

Schedule 2

Pesticides in this schedule are restricted to use by agriculturists, licensed exterminators and registered custom sprayers. Sales are permitted through wholesale vendors and holders of Class 1 and Class 2 retail vendor licences. Sales records must be kept.

Schedule 2 includes: Pesticides that pose a hazard to human health and/or the environment. For example:-

- a) pesticides that are moderately persistent in the environment (biologically active for greater than 1 season) or have a potential to move from the site of application either thorough leaching or volatilization.
- b) pesticides exhibiting acute oral LD₅₀ values for formulated product of greater than 50 mg/kg; but less than 500 mg/kg body weight.
- c) pesticides exhibiting acute dermal LD₅₀ values for formulated product of less than 1000 mg/kg body weight.
- d) pesticides that are registered for direct application to forests, and/or aquatic habitats.

Schedule 3

Pesticides in this schedule are available to agriculturists, licensed exterminators, registered custom sprayers and the general public in accordance with uses described on the product labels. Sales are permitted through wholesale vendors and holders of Class 1, Class 2 or Class 3 retail vendor licences. Sales records are not required.

Schedule 3 includes: Pesticides which are minimally hazardous to human health and/or the environment if used according to recommended procedure.

Pesticides in Schedule 3 do not pose a problem when containers are disposed of in municipal garbage. Products having an Agricultural, Industrial, or Domestic federal classification may be placed in this schedule. For example:-

- a) organic pesticides that are short-lived and do not produce hazardous metabolites.
- b) those inorganic pesticides that present a minimal environmental hazard.
- c) pesticides exhibiting acute oral LD_{50} values for formulated product of greater than 500 mg/kg; but less than 5000 mg/kg body weight.
- d) pesticides exhibiting acute dermal LD_{50} values for formulated product of less than 10,000 mg/kg body weight.

Schedule 4

Pesticides in this schedule are those that can safely be handled by any type of retail outlet. Wholesalers are required to have a wholesale vendor licence or a limited wholesale vendor licence but no vendor licence is required at the retail level.

Schedule 4 includes: Pesticides that are relatively innocuous to human health and/or the environment.

Pesticides in Schedule 4 must carry a federal Domestic class. The maximum package content must not exceed 1 kilogram (weight) or 1 litre (volume). **All containers must be inspected and approved** by the Pesticides Advisory Committee. (See packaging guidelines, Table 3). For example:-

- a) pesticides that are formulated in very low concentrations and exhibit acute oral LD₅₀ values for formulated product of greater than 5000 mg/kg body weight, and acute dermal LD₅₀ values of greater than 10,000 mg/kg body weight.

Schedule 5

Pesticides in this schedule are limited to agricultural use, and are restricted to use by agriculturists, appropriately licensed land exterminators, or registered custom sprayers. Sales are permitted only through wholesale vendors and holders of Class 1 retail vendor licences. A record must be kept of each sale.

Schedule 5 includes: Pesticides that pose a serious hazard to human health and/or the environment.

Products in Schedule 5 have federal classes of Commercial, Agricultural or Restricted, and would normally be scheduled in Schedule 1, but for the lack of effective and less hazardous alternatives. For example:-

- a) pesticide exhibiting acute oral LD₅₀ values for formulated product of less than 50 mg/kg body weight.
- b) pesticides exhibiting acute dermal LD₅₀ values for formulated product of less than 100 mg/kg body weight.
- c) formulated products that have high inhalation toxicities at normal temperatures.

Schedule 6

Pesticides in this schedule are of similar formulation (same actives, same concentrations) to those in Schedule 4, but are sold in containers larger than 1 kilogram in weight or 1 litre in volume. Sale of Schedule 6 pesticides may be made by holders of wholesale or limited wholesale vendor licences, and by holders of Class 1, Class 2 or Class 3 retail vendor licences. Sales records are not required.

Schedule 6 includes: Pesticides that are relatively innocuous to human health and/or the environment and carry federally approved Agricultural, Industrial, Commercial or Domestic labels.

Schedule 6 pesticides include products packaged in sizes greater than 1 kilogram (weight) or 1 litre (volume) or do not meet the Schedule 4 container packaging guidelines.

APPLICATIONS FOR CLASSIFICATION OF NEW PESTICIDE PRODUCTS

All applications for classification must be submitted to the:

Chairman
Ontario Pesticides Advisory Committee
Ministry of the Environment
Suite 100, 135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

A sample application for classification follows.

INSTRUCTION FOR APPLICATION FOR PESTICIDE CLASSIFICATION

Type or print clearly.

1. **TRADE NAME** - The name as on the federal certificate of registration.

2. **TYPE** -Insecticide, herbicide, rodenticide, as on the federal certificate of registration.

3. **FORMULATION** -Emulsifiable concentrate, wettable powder, solution, granular, etc., as on the Agriculture Canada, Product Specification form.

4. **ACTIVE INGREDIENT** - The ISO accepted common name for the active ingredient.

5. **A.I. CODE** - The three letter code assigned to the active ingredient by Agriculture Canada.

6. **GUARANTEE** - On the approved label, as g/L or percentage.

7. **REGISTRANT** - The three letter code, the full company name, address and postal code as on the certificate of registration.

8. **AGENT** - The three letter code, the full company, name address and postal code as on the federal certificate of registration.

9. **APPLICANT** - Name and address of company or person applying for classification if other than the registrant or Canadian agent.

10. **PCP #.** - The registration number granted under the federal Pest Control Products Act.

11. **EXPIRY DATE** - As on the federal certificate of registration, and **TEMPORARY**, if applicable.

12. **FEDERAL CLASSIFICATION** - Domestic, commercial, agricultural, industrial, restricted, manufacturing concentrate, etc., as on the approved label.

13. **USE AREA** - Crops or other uses for which the product is registered, i.e., cats & dogs; cereals; in and around poultry houses, dog kennels; etc.

14. **PEST** - The target pests per the approved label.

15. For products registered federally under the **PRIVATE LABEL** system, complete as indicated.

16. **PRODUCT CHEMISTRY** - Include information on composition, storage stability, safety precautions, decontamination procedures, and emergency procedures. Material Safety Data Sheets (MSDS) or Workman Hazardous Material Information System summary sheets (WHMIS) may be appended, in lieu of completing this section.

17. **TYPE AND SIZE OF CONTAINER** - Describe ALL sizes and types. Sample containers must be provided for products for which schedule 4 is requested.

18. **FORMULATION TOXICOLOGY** - Summary of the toxicology of the exact product proposed for classification, including acute effects. If none, submit information on the technical or intermediate/ concentrate from which the product is made. Substitute information should be clearly identified as such. The value of the reports should be accurate, i.e., Acute oral LD 50 rats = 3,600 mg/kg; acute inhalation LC 50 (4 hrs) rats = 3.6 ml/L air (equivalent to 56 g/L a.i.), etc.

19. **ENVIRONMENTAL CHEMISTRY** - Summary of the fate of product in the environment. If unavailable, explain.

20. **ENVIRONMENTAL TOXICOLOGY** - Summary of the fish and wildlife toxicology studies conducted with the formulated product. If unavailable, explain.

21. **SOURCE** - The reference of the source of information provided in items 18, 19, 20.

22. **FOOD RESIDUES** - The residue levels (and units) permitted by Health and Welfare Canada for each food crop on the label.

23. **ANALYTICAL METHOD** - Brief description of the method of residue analysis and level of sensitivity.

24. **COMMENT** - Describe the schedule requested, and other information that may be pertinent, i.e. references to other products containing the same formulation already classified.

APPLICANT'S SIGNATURE - An authorized signing officer must sign the declaration certifying that the information provided is true and complete.

IMPORTANT - THE FOLLOWING MUST BE SUBMITTED:

a) Supporting documentation: MSDS; summaries of product specific toxicology, and where necessary, authorization for use, source, and copies of external (third party) information supporting the registration.

For end use products that contain a newly registered active ingredient, information is to be provided in accordance with Table 1 on the Ontario Guidelines for Classification of Pesticide Products.

For pesticide/fertilizer products, information should be provided in accordance with Table 2 of the above guidelines.

b) Reasons for registration category if federal class is restricted, or the federal status is temporary.

c) **FIVE (5) copies of the FEDERALLY APPROVED LABEL.**

d) **A COPY OF THE CERTIFICATE OF REGISTRATION MUST BE INCLUDED WITH THIS APPLICATION.**

Return application to:

Ontario Pesticides Advisory Committee,
Ministry of the Environment
Suite 100, 135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

APPLICATION FOR PESTICIDE CLASSIFICATION
Under the Pesticides Act, Revised Statute of Ontario
1980, and Regulations Type or print clearly

1. Trade Name:

2. Type:

3. Formulation:

4. Active Ingredient 5. A.I. Code 6. Guarantee

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. Registrant:

8. Agent:

9. Applicant: (if different from above)

10. PCP# :

11. Expiry Date:

12. Fed Class:

13. Use Area:

14. Pest:

15. FOR PRIVATE LABEL REGISTRATIONS:
INITIAL REGISTRANT:

INITIAL PRODUCT NAME:

INITIAL PRODUCT PCP#:

16. Product Chemistry:

17. Type and Size of Container:

18. Formulation Toxicology:

19. Environmental Chemistry:

20. Environmental Toxicology:

21. Source:

22. Food Residues: (MRLs - maximum residue levels-
as determined by Health and Welfare Canada) :

23. Analytical Method:

24. Comment:

The Committee reserves the right to request additional
data on the active ingredient/s or other constituents in the
product.

In compliance with the Ontario Pesticides Act, applica-
tion is hereby made for classification of a pesticide as
outlined on this application and supporting documenta-
tion. It is certified that the information is true and complete.

Applicants Signature:

Print Name:

Company Name:

Date:

=====

FOR MINISTRY USE:

A.I. Ranking: Code Concentration Schedule

Comment:

Suggested Schedules Number Rationale

- a.
- b.
- c.

OPAC Recommendation:

Date:

(OPAC May 19/89)

TABLE 1.

**SCIENTIFIC AND/OR TECHNICAL INFORMATION REQUIRED FOR A NEW
TECHNICAL ACTIVE INGREDIENT TO SUPPORT CLASSIFICATION OF THE
END-USE PRODUCT**

Please provide three copies of the following:

1. Name and address of manufacturer.
2. Name and address of registrant (if different from above).
3. Name and address of Canadian Agent (if applicable).
4. Copy of the Data Base Index.
5. Material Safety Data Sheet and/or Technical Data Sheet.
6. Chemistry (Pure and Technical Active Ingredient).
 - a) physical and chemical properties and chemical structure.
 - b) copies of analytical methods suitable for measuring parent and relevant metabolites that might occur in agricultural and environmental substrates.
7. Summaries of the following banks of studies on the technical active ingredient.
 - a) Toxicology (Acute, short-term, long-term and special). These data should include the LD₅₀ values, units, animal species tested, identity of the test substance and the slope of the dose response curve from which it is derived.
 - b) Metabolism (Mammals, plants, pharmacokinetics, and other studies).
 - c) Environmental Chemistry : { Physicochemical properties of technical active, including photodegradation, hydrolysis; Octanol/water partition co-efficient. Aerobic and Anaerobic degradation; Soil Metabolism; Terrestrial and aquatic dissipation and accumulation; Storage, disposal and decontamination.
 - d) Environmental Toxicology (Birds and mammals; aquatic organisms; non-target invertebrates).

8. Residues: i) Maximum residue limits (MRLs) as
determined by Health & Welfare Canada
and units for each food crop.
9. Certificate of registration of the technical active.
10. The Committee reserves the right to request additional
information.

TABLE 2.

INFORMATION REQUIRED TO CLASSIFY END-USE FERTILIZER -
PESTICIDE PRODUCTS

The following information is to be provided on the application for classification, used normally for formulated pesticide products.

1. Applicant's name and address.
2. Registrant's name and address (if different from above).
3. Canadian Agent's name and address (if applicable).
4. Five typewritten copies of federally approved label.
(Please do not send fertilizer bags.)
5. Federal Fertilizer Act registration number and/or Pest Control Product Registration number(s) AND NAMES of pesticide(s) used in the formulated mix AND ONTARIO SCHEDULE OF EACH OF THE PESTICIDE PRODUCTS IN THIS MIX.
- X. GUARANTEE OF THE INGREDIENTS IN THE FERTILIZER/PESTICIDE.
6. Type and size of containers.
7. Confirmation that this fertilizer/pesticide product conforms with the federal Compendium.
7. The Committee reserves the right to request additional information on the active ingredient/s or other constituents in the product.

CRITERIA FOR CLASSIFYING
FERTILIZERS CONTAINING PESTICIDES

Fertilizers containing one pesticide active ingredient

Fertilizers containing only one pesticide active ingredient will be classified according to the classification for that active ingredient.

Fertilizers containing more than one pesticide active ingredient

- a) Except as described in (b) below, fertilizers containing two or more pesticide active ingredients will not be accepted for regular classification and will be classified under Schedule 1.
- b) Fertilizers containing two or more herbicides that are complementary for the control of a similar group of weeds will be classified according to the total percentage of all active ingredients present, e.g. 2,4-D, mecoprop, dicamba for broad leaf weed control in turf grass.

TABLE 3.

PACKAGING CRITERIA FOR SCHEDULE 4 PESTICIDE PRODUCTS ONLY

1. INITIAL QUALIFICATION

All products must carry a federally approved "Domestic" label, and must meet Schedule 4 active ingredient classification guidelines.

2. MAXIMUM CONTENT

Maximum package content must NOT EXCEED 1 kilogram by weight or 1 litre by volume. In order to be approved in Sch 4 containers MUST BE SUBMITTED to the Pesticides Advisory Committee for inspection and approval.

3. SHAKER OR SIFTER CAN DISPENSERS

All shaker-can dispensers used in packaging pesticide products must have an approved device for reclosure.

4. PRESSURIZED DISPENSERS

Every pressurized spray dispenser used in packaging pesticide products must have a cap, locking device or seal, so as to prevent accidental activation during transit, storage and display.

5. FOLDING PAPER BOARD CARTONS

Paper-board cartons may be approved when the product, if formulated as a granule, impregnated fabric, pellet, powder, particulate (e.g. rodent bait), solid, slow-release generator, tablet or wettable powder, is packaged in an acceptable inner liner (e.g. plastic or foil liner).

6. PLASTIC BAGS OR POUCHES

Plastic bags or pouches used to package rodent baits must be sufficiently strong to prevent accidental spillage during transit, storage and display, and must be packaged in an outer display carton. Individual bags or pouches, or those which, in the opinion of the Committee, could be easily torn, will not be approved.

7. GLASS BOTTLES

Glass bottles shall not be used for packaging Schedule 4 pesticides if, in the opinion of the Committee, such containers can be easily shattered or broken during transit, storage and display.

8. PAPER BAGS

No paper bags will be allowed in Schedule 4.

9. OTHER LIMITATIONS

Where, in the opinion of the Committee, a pesticide container can be mistaken for a food or toy container, the product will not be permitted in Schedule 4.

10. APPROVAL OF NON-CONFORMING CONTAINERS

The Committee may approve non-conforming containers that, in its opinion, warrant special consideration due to the type of product or method of application of that product.

11. TRANSFER TO SCHEDULE 6

Domestic products containing only Schedule 4 active ingredients but not meeting the packaging requirements, will be classified under Schedule 6.

APPENDIX I:

PREVIOUSLY REVIEWED PESTICIDE ACTIVE INGREDIENTS

<u>By common name</u> <u>COMMON OR CHEMICAL NAME</u>	<u>CODE</u>	<u>USE</u>
1,2-ethanediol	ETA	ADJ
2,3,4,5-bis(2 butylene)tetra-hydro-2-furfural	MGB	Misc
2,4-D acids, amines and salts	DXB	H
2,4-D acids, amines and salts	DXA	H
2,4-D H.V. esters	DXE	H
2,4-D L.V. esters	DXG	H
2,4-D L.V. esters	DXF	H
2,4-DB butyl ester	DPB	H
2,4-xylenol	XAY	F
2-hydroxyethyl N-octyl sulfide	MGH	Misc
3 chloro-1,2 propanediol	CPD	Rod
4-aminopyradine	AMP	VP
4-chlorophenoxy acetic acid	CPA	PGR
acephate	ACP	I
acetic acid	ACA	Misc
acrolein	ACL	H
aldicarb	ADC	I
aldrin	ALD	I, WP
allyl alcohol	AAL	H, F
alphachloralose	ALS	Rod
aluminum phosphide	APL	I, Rod
aminocarb	AMC	I
amitrole	AMI	H
ammonia	AOH	VP
ammonium methyl arsonates	AMA	H
ammonium sulphamate	AMS	H
ancymidol	ANC	PGR
anilazine	DYR	F
anthracene oil	ANH	WP
antimycin	ANR	VP
asphalt solids	ASP	F
asulam	ASM	H
atrazine	ATR	H
auramine	AUR	F
azinphos-methyl	GOO	I
Bacillus thuringiensis Berliner var kurstaki	BTB	I
Bacillus thuringiensis serotype H-14	BTH	I
barban	BAR	H
benazolin	BEN	H
bendiocarb	BDC	I
benfluralin	BAL	H
benomyl	BML	F
bensulide	BET	H

APPENDIX I:

PREVIOUSLY REVIEWED PESTICIDE ACTIVE INGREDIENTS

By common name

<u>COMMON OR CHEMICAL NAME</u>	<u>CODE</u>	<u>USE</u>
1,2-ethanediol	ETA	ADJ
2,3,4,5-bis(2 butylene)tetra-hydro-2-furfural	MGB	Misc
2,4-D acids, amines and salts	DXB	H
2,4-D acids, amines and salts	DXA	H
2,4-D H.V. esters	DXE	H
2,4-D L.V. esters	DXG	H
2,4-D L.V. esters	DXF	H
2,4-DB butyl ester	DPB	H
2,4-xylenol	XAY	F
2-hydroxyethyl N-octyl sulfide	MGH	Misc
3 chloro-1,2 propanediol	CPD	Rod
4-aminopyradine	AMP	VP
4-chlorophenoxy acetic acid	CPA	PGR
acephate	ACP	I
acetic acid	ACA	Misc
acrolein	ACL	H
aldicarb	ADC	I
aldrin	ALD	I, WP
allyl alcohol	AAL	H, F
alphachloralose	ALS	Rod
aluminum phosphide	APL	I, Rod
aminocarb	AMC	I
amitrole	AMI	H
ammonia	AOH	VP
ammonium methyl arsonates	AMA	H
ammonium sulphamate	AMS	H
ancymidol	ANC	PGR
anilazine	DYR	F
anthracene oil	ANH	WP
antimycin	ANR	VP
asphalt solids	ASP	F
asulam	ASM	H
atrazine	ATR	H
auramine	AUR	F
azinphos-methyl	GOO	I
Bacillus thurigiensis Berliner var kurstaki	BTB	I
Bacillus thurigiensis serotype H-14	BTH	I
barban	BAR	H
benazolin	BEN	H
bendiocarb	BDC	I
benfluralin	BAL	H
benomyl	BML	F
bensulide	BET	H

bentazon	BZN	H
benzene	BZE	I
benzoic acid	BZA	ADJ
benzoylprop-ethyl	BZP	H
bone oil	BON	VP
borax	BNS	I, F, WP
boracic acid	BOA	I
borax anhydrous	BNA	WP
borax pentahydrate	BNP	H
brodifacoum	BRF	Rod
bromacil	BBU	H
bromadiolone	BRM	Rod
bromoxynil	BRY	H
butoxypoly-propylene glycol	BPG	I
butylate	SUT	H
cadmium chloride	CDD	F
cadmium sebacate	CDS	F
capasaicin	CAS	IR, VP
captafol	DFT	F
captan	CAP	F
carbaryl	CAB	I
carbathiin	VIT	F
carbendazim-phosphate	MBD	F
carbofuran	CAF	I
carbon disulphide	CAD	I
carbon tetrachloride	CTC	I
carbophenthion	CPR	I
chinomethionat	MOR	I
chlofenvinphos	CFV	I
chlopropham	CIP	H
chloramben	CHA	H
chlordane	CLD	I, WP
chlorfenac	FNC	H
chlorflurecol methyl	CFM	PGR
chlorinated C3 hydrocarbons	DSF	F
chlormequat	CCC	PGR
chloroneb	CNB	F
chlorophacinone	CHP	Rod
chloropicrin	CPN	F, H, I
chloropicrin	CPN	Rod, WP
chlorothalonil	TET	F
chloroxuron	CLX	H
chlorpyrifos	DUB	I
chlorsulfuron	CSL	H
chlorthal dimethyl	CHL	H
cholecalciferol	CGO	Rod
chromic acid	CRO	WP
cittowet	AYC	ADJ
clofentazine	CFZ	I
coal tar acids	COA	I, WP

coal tar oils	COO	I
coconut diethanolamide	COC	ADJ
copper napthenate	CUN	WP
copper oxide	CUO	WP
copper oxychloride	CUY	F
copper sulphate	CUS	F,WP,H
copper sulphate (tribasic)	CUB	F
copper, triethanolamine complex	CUT	H
copper-8-quinolinate	CUQ	WP
copper, cupric hydroxide	CUZ	F
coumaphos	COU	I
creosote	CRT	WP
crotoxyphos	CIN	I
crufomate	RUE	I
cyanazine	BDX	H
cycloate	ROE	H
cycloheximide	CYC	F
cypermethrin	CYM	I
dalapon	DAL	H
daminozide	DAM	PGR
dazomet	DAZ	F, H
deltamethrin	DBR	I
demeton	DEM	I
desmedipham	BTL	H
diazinon	DIA	I
dicamba	DIC	H
dichlobenil	DCB	H
dichlofluanid	DCA	WP
dichlone	DCH	F
dichloran	DIK	F
dichlorflurecol methyl	DFM	ADJ
dichlorprop amine	DIG	H
dichlorprop H.V. esters	DIH	H
dichlorprop L.V. esters	DIH	H
dichlorvos	DVP	I
diclofop-methyl	DPP	H
dicofol	DCF	I
dieldrin	DIE	I
dienochlor	BPC	I
diethyl-m-toluamide	DTU	IR
difensoquat	AVG	H
diflubenzuron	DFB	I
dimethoate	DIM	I
dimethyl alkyl	DFA	ADJ
dimethyl phthalate	DMP	IR
dimetilan	SNP	I
dinitrophenol	DNP	WP
dinitrocresol	DNC	F
dinitrocresol sodium salt	DNC	I
dinocap	DIN	I, F

dinoseb	DNB	H
diphacinone	DPC	Rod
diphenamid	DIP	H
diphenylamine	DPA	F, I
diquat	DIQ	H
disulfoton	DIS	I
diuron	DUR	H
di-n-propyl isosinchomeronate	MDG	Misc
dodemorph-acetate	DOM	F
dodine	DOD	F
d-phenothrin	PHG	I
d-trans allethrin	ALM	I
endosulfan	ESF	I
endothal	ENT	H
endrin	END	I
eptam	EPT	H
ergocalciferol	EGO	Rod
ethalfluralin	EFR	H
ethephon	ETF	PGR
ethion	ETH	I
ethirimol	ETR	F
ethoxyquin	ETY	F
ethyl hexanedoile	EHX	IR
ethylene dibromide	EDB	I
ethylene dichloride	EDC	I
ethylene oxide	ETO	I
etridiazole	TRB	F
famphur	WAX	I
fatty alcohols, N-decanol	FAA	PGR
fatty alcohols, N-decanol & N-octanol	FAB	PGR
fenaminosulf	DEX	F
fenbutatin oxide	FBT	I
fenitrothion	FEM	I
fenoxaprop ethyl	FPE	H
fensulfothion	FEL	I
fenthion	FET	I, VP
fentin hydroxide	FEH	F
fenvalerate	FEV	I
ferbam	FER	F
ferrous sulphate	FES	H
flamprop-methyl	FLA	H
fluazifop-butyl	FZB	H
flucythrinate	FKR	I
flurecol methyl	FCM	PGR
folpet	FOL	F
fonofos	DYF	I
formaldehyde	FOR	F
formetanate hydrochloride	FOM	I
fosamine ammonium	KRE	H
fumarin	FUM	Rod

glyodin	GLY	F
glyphosate	GPS	H
heptachlor	HEP	I
hexazinone	VPR	H
hydramethylon	ADO	I
hydrogen cyanamide	H CY	H
hydrogen cyanide	H CN	I, Rod
indole-butyric acid	IBA	PGR
iodofenphos	IOJ	I
ioxynil	IOX	H
iprodione	IPD	F
iron napthenate	IRN	WP
isobormyl thiocyanacetate	THA	I
isofenphos	ISF	I
kinoprene	KPR	IGR
lampreycide	TFM	VP
lead arsenate	LAR	I
lindane	LIN	I
linuron	LUN	H
malachite green	MAG	F
malathion	MAL	I
maleic hydrazide	MAH	PGR
mancozeb	MCZ	F
maneb	MAN	F
MCPA amine salts	MAB	H
MCPA potassium and sodium salts	MAS	H
MCPA esters	MAE	H
MCPB sodium salt	MBS	H
mecoprop amine salts	MEC	H
mecoprop acid	MEE	H
mecoprop potassium salt	MEA	H
mefluidide	MFD	PGR
mercuric chloride	MCC	F
mercurous chloride	MSC	F
metalaxyl	MTA	F
metaldehyde	MHY	Moll
metam	MTM	I, F, H
methamidophos	MOM	I
methidathion	MED	I
methiocarb	MHB	I
methomyl	MML	I
methoprene	MPR	I
methoychlor	MET	I
methyl bromide	MBR	H, I, F
methyl bromide	MBR	ROD
methyl isothiocyante	MIS	I, H
methyl nonyl ketone	MNK	VP
metiram	MTR	F
metobromuron	MTB	H
metolachlor	MTL	H

metribuzin	BAX	H
mevinphos	MEV	I
mineral oil	MOI	I, F
mineral oil-herbicidal	MOH	H
monolinuron	MOL	H
monosodium methane arsonate	MSM	H
monuron	MON	H
monuron - TCA	MOO	H
mustard oil	MUS	VP
m-cresol	CRG	F
nabam	NAB	F
naled	NAL	I
napropamide	NBP	H
naptalam	NAP	H
napthalene acetic acid	NAA	PGR
napthalene animal repellent	NPH	VP
natural gum resins	GUM	I
niclosamide	BAS	VP
nicotine	NIA	I
nicotine animal repellent	NIA	VP
nonylphenoxypolyethoxyethanol	NON	ADJ
N-octyl bicycloheptene dicarboxamide	MGK	Misc
octylphenoxypolyethoxy ethanol	OPE	ADJ
oil of citronella	CIT	IR
oil of lavender	LAV	IR
oil of lemon grass	OAL	VP
Ornitrol bird chemosterilant	AZA	VP
oxamyl	AXB	I
oxine benzoate	HQB	F
oxycarboxin	PTX	F
oxydemeton methyl	ODM	I
oxyfluorfen	OXR	H
oxytetracycline hydroxide	OXT	F
paradichloro-benzene	PDB	I, VP
paraformaldehyde	PFH	F
paraquat	PAQ	H
parathion	PTH	I
pebulate	PEB	H
pentachlorophenol	PCP	I, WP, H
permethrin	PFL	I
phenmedipham	PMP	H
phenylmercuric acetate	PMA	F
phorate	PHR	I
phosalone	PHS	I
phosmet	PRT	I
picloram amine salts	PID	H
picloram, isooctyl ester or sodium salt	PIC	H
pindone	PIN	Rod
pine oil	POI	F
piperonyl butoxide	PBU	I

pirimicarb	PIR	I
polymerized butenes	POB	VP
polyvinyl polymer adjuvant	PVP	ADJ
potassium chromate	KCR	F
potassium dichromate	KDC	I
primary alcohol ethoxylate	PAE	ADJ
prometon	PRM	H
prometryne	PRO	H
propachlor	PRP	H
propanil	PRL	H
propargite	OMI	I
propetamphos	PPF	I
propham	PRF	H
propiconazole	PON	F
propoxur	BAY	I
propyzamide	KRB	H
pyrazon	PYR	H
pyrazophos	PYF	I
pyrethrins	PYR	I
quintozene	QTZ	F
red squill	RSQ	Rod
resmethrin	REZ	I
ronnel	RON	I
rotenone	ROT	I, VP
sethoxydim	SOD	H
siduron	SID	H
silicon doxide	SIO	I
simazine	SMZ	H
soap	SOA	I, VP
sodium chlorate mixtures	SCL	H
sodium fluoride	SFL	I
sodium metaborate octahydrate	SMM	H, WP
sodium metaborate tetrahydrate	SMT	H
sodium monofluoroacetate	SUF	Rod
sodium pentachlorophenate	SPC	H
solan	SLN	H
streptomycin	STN	F
strychnine, alkaloid or sulphate	STR	VP, Rod
sulfallate	SUA	H
sulfaquinoxzline	SQS	Rod
sulfotep	SFT	I
sulfoxide	SFD	I
sulphide sulphur	SUS	I, F
sulphur	SUL	I, F
sulphur, gaseous oxides	SOE	Rod
tall oil fatty acids	TOF	ADJ
TCMBT	TCM	F
tebuthiuron	TEB	H
temephos	ABT	I
terbacil	TER	H

terbufos	COY	I
terbuthylazine	TBZ	H
terbutryn	TBT	H
tetrachloro-phenol	TCP	WP
tetrachlorvinphos	GAR	I
tetradifon	TED	I
tetramethrin	NEO	I
thiabendazole	TZL	F
thiophanate-methyl	TPM	F
thiram	THI	F,VP
toxaphene	TOX	I
triadimefon	TQB	F
triallate	TRL	H
tributyltin oxide	BTO	WP
trichlofon	TRI	I
trichloroacetic acid	TCS	H
trichlorobenzoic acid	TBA	H
trifluralin	TRF	H
triforine	TRR	F
trimethylnonyl polyethoxy ethanol	TMN	ADJ
vernolate	VER	H
warfarin	WAR	Rod
water soluble dyes	WAT	H
zinc napthenate	ZNN	WP
zinc phosphide	ZNP	Rod
zineb	ZIN	F
ziram	ZIR	F
z-9-tricosene	TRN	I

By code

allyl alcohol
temephos
acetic acid
acrolein
acephate
aldicarb
hydramethylon
aldrin
d-trans allethrin
alphachloralose
ammonium methyl arsonates
aminocarb
amitrole
4-aminopyradine
ammonium sulphamate
ancymidol
anthracene oil
antimycin
ammonia
aluminum phosphide
asulam
asphalt solids
atrazine
auramine
difensoquat
cittowet
Ornitrol bird chemosterilant
benfluralin
barban
niclosamide
metribuzin
propoxur
bromacil
bendiocarb
cyanazine
benazolin
bensulide
benomyl
borax anhydrous
borax pentahydrate
borax
boracic acid
bone oil
dienochlor
butoxypoly-propylene glycol
brodifacoum
bromadiolone
bromoxynil

AAL	H, F
ABT	I
ACA	Misc
ACL	H
ACP	I
ADC	I
ADO	I
ALD	I, WP
ALM	I
ALS	Rod
AMA	H
AMC	I
AMI	H
AMP	VP
AMS	H
ANC	PGR
ANH	WP
ANR	VP
AOH	VP
APL	I, Rod
ASM	H
ASP	F
ATR	H
AUR	F
AVG	H
AYC	ADJ
AZA	VP
BAL	H
BAR	H
BAS	VP
BAX	H
BAY	I
BBU	H
BDC	I
BDX	H
BEN	H
BET	H
BML	F
BNA	WP
BNP	H
BNS	I, F, WP
BOA	I
BON	VP
BPC	I
BPG	I
BRF	Rod
BRM	Rod
BRY	H

Bacillus thurigiensis Berliner var kurstaki	BTB	I
Bacillus thurigiensis serotype H-14	BTH	I
desmedipham	BTL	H
tributyltin oxide	BTO	WP
benzoic acid	BZA	ADJ
benzene	BZE	I
bentazon	BZN	H
benzoylprop-ethyl	BZP	H
carbaryl	CAB	I
carbon disulphide	CAD	I
carbofuran	CAF	I
captan	CAP	F
capasaicin	CAS	IR, VP
chlormequat	CCC	PGR
cadmium chloride	CDD	F
cadmium sebacate	CDS	F
chlorflurecol methyl	CFM	PGR
chlofenvinphos	CFV	I
clofentazine	CFZ	I
cholecalciferol	CGO	Rod
chloramben	CHA	H
chlorthal dimethyl	CHL	H
chlorophacinone	CHP	Rod
crotoxyphos	CIN	I
chlopropham	CIP	H
oil of citronella	CIT	IR
chlordan	CLD	I, WP
chloroxuron	CLX	H
chloroneb	CNB	F
coal tar acids	COA	I, WP
coconut diethanolamide	COC	ADJ
coal tar oils	COO	I
coumaphos	COU	I
terbufos	COY	I
4-chlorophenoxy acetic acid	CPA	PGR
3 chloro-1,2 propanediol	CPD	Rod
chloropicrin	CPN	F, H, I
chloropicrin	CPN	Rod, WP
carbophenthion	CPR	I
m-cresol	CRG	F
chromic acid	CRO	WP
creosote	CRT	WP
chlorsulfuron	CSL	H
carbon tetrachloride	CTC	I
copper sulphate (tribasic)	CUB	F
copper napthenate	CUN	WP
copper oxide	CUO	WP
copper-8-guaniolate	CUQ	WP
copper sulphate	CUS	F, WP, H
copper, triethanolamine complex	CUT	H

copper oxychloride	CUY	F
copper, cupric hydroxide	CUZ	F
cycloheximide	CYC	F
cypermethrin	CYM	I
dalapon	DAL	H
daminozide	DAM	PGR
dazomet	DAZ	F, H
deltamethrin	DBR	I
dichlofluanid	DCA	WP
dichlobenil	DCB	H
dicofol	DCF	I
dichlone	DCH	F
demeton	DEM	I
fenaminosulf	DEX	F
dimethyl alkyl	DFA	ADJ
diflubenzuron	DFB	I
dichlorflurecol methyl	DFM	ADJ
captafol	DFT	F
diazinon	DIA	I
dicamba	DIC	H
dielldrin	DIE	I
dichlorprop amine	DIG	H
dichlorprop H.V. esters	DIH	H
dichlorprop L.V. esters	DIH	H
dichloran	DIK	F
dimethoate	DIM	I
dinocap	DIN	I, F
diphenamid	DIP	H
diquat	DIQ	H
disulfoton	DIS	I
dimethyl phthalate	DMP	IR
dinoseb	DNB	H
dinitrocresol sodium salt	DNC	I
dinitrocresol	DNC	F
dinitrophenol	DNP	WP
dodine	DOD	F
dodemorph-acetate	DOM	F
diphenylamine	DPA	F, I
2,4-DB butyl ester	DPB	H
diphacinone	DPC	Rod
diclofop-methyl	DPP	H
chlorinated C3 hydrocarbons	DSF	F
diethyl-m-toluamide	DTU	IR
chlorpyrifos	DUB	I
diuron	DUR	H
dichlorvos	DVP	I
2,4-D acids, amines and salts	DXA	H
2,4-D acids, amines and salts	DXB	H
2,4-D H.V. esters	DXE	H
2,4-D L.V. esters	DXF	H

2,4-D L.V. esters	DXG	H
fonofos	DYF	I
anilazine	DYR	F
ethylene dibromide	EDB	I
ethylene dichloride	EDC	I
ethalfluralin	EFR	H
ergocalciferol	EGO	Rod
ethyl hexanedoil	EHX	IR
endrin	END	I
endothal	ENT	H
eptam	EPT	H
endosulfan	ESF	I
1,2-ethanediol	ETA	ADJ
ethephon	ETF	PGR
ethion	ETH	I
ethylene oxide	ETO	I
ethirimol	ETR	F
ethoxyquin	ETY	F
fatty alcohols, N-decanol	FAA	PGR
fatty alcohols, N-decanol & N-octanol	FAB	PGR
fenbutatin oxide	FBT	I
flurecol methyl	FCM	PGR
fentin hydroxide	FEH	F
fensulfothion	FEL	I
fenitrothion	FEM	I
ferbam	FER	F
ferrous sulphate	FES	H
fenthion	FET	I, VP
fenvalerate	FEV	I
flucythrinate	FKR	I
flamprop-methyl	FLA	H
chlorfenac	FNC	H
folpet	FOL	F
formetanate hydrochloride	FOM	I
formaldehyde	FOR	F
fenoxaprop ethyl	FPE	H
fumarin	FUM	Rod
fluazifop-butyl	FZB	H
tetrachlorvinphos	GAR	I
glyodin	GLY	F
aziphos-methyl	GOO	I
glyphosate	GPS	H
natural gum resins	GUM	I
hydrogen cyanide	HCN	I, Rod
hydrogen cyanamide	HCY	H
heptachlor	HEP	I
oxine benzoate	HQB	F
indole-butyric acid	IBA	PGR
iodofenphos	IOJ	I
ioxynil	IOX	H

iprodione	IPD	F
iron napthenate	IRN	WP
isofenphos	ISF	I
potassium chromate	KCR	F
potassium dichromate	KDC	I
kinoprene	KPR	IGR
propyzamide	KRB	H
fosamine ammonium	KRE	H
lead arsenate	LAR	I
oil of lavender	LAV	IR
lindane	LIN	I
linuron	LUN	H
MCPA amine salts	MAB	H
MCPA esters	MAE	H
malachite green	MAG	F
maleic hydrazide	MAH	PGR
malathion	MAL	I
maneb	MAN	F
MCPA potassium and sodium salts	MAS	H
carbendazim-phosphate	MBD	F
methyl bromide	MBR	ROD
methyl bromide	MBR	H, I, F
MCPB sodium salt	MBS	H
mercuric chloride	MCC	F
mancozeb	MCZ	F
di-n-propyl isosinchomeronate	MDG	Misc
mecoprop potassium salt	MEA	H
mecoprop amine salts	MEC	H
methidathion	MED	I
mecoprop acid	MEE	H
methoychlor	MET	I
mevinphos	MEV	I
mefluidide	MFD	PGR
2,3,4,5-bis(2 butylene)tetra-hydro-2-furfural	MGB	Misc
2-hydroxyethyl N-octyl sulfide	MGH	Misc
N-octyl bicycloheptene dicarboxamide	MGK	Misc
methiocarb	MHB	I
metaldehyde	MHY	Moll
methyl isothiocyante	MIS	I, H
methomyl	MML	I
methyl nonyl ketone	MNK	VP
mineral oil-herbicidal	MOH	H
mineral oil	MOI	I, F
monolinuron	MOL	H
methamidophos	MOM	I
monuron	MON	H
monuron - TCA	MOO	H
chinomethionat	MOR	I
methoprene	MPR	I
mercurous chloride	MSC	F

monosodium methane arsonate	MSM	H
metalaxyl	MTA	F
metobromuron	MTB	H
metolachlor	MTL	H
metam	MTM	I, F, H
metiram	MTR	F
mustard oil	MUS	VP
napthalene acetic acid	NAA	PGR
nabam	NAB	F
naled	NAL	I
naptalam	NAP	H
napropamide	NBP	H
tetramethrin	NEO	I
nicotine animal repellent	NIA	VP
nicotine	NIA	I
nonylphenoxypolyethoxyethanol	NON	ADJ
napthalene animal repellent	NPH	VP
oil of lemon grass	OAL	VP
oxydemeton methyl	ODM	I
propargite	OMI	I
octylphenoxypolyethoxy ethanol	OPE	ADJ
oxamyl	OXB	I
oxyfluorfen	OXR	H
oxytetracycline hydroxide	OXT	F
primary alcohol ethoxylate	PAE	ADJ
paraquat	PAQ	H
piperonyl butoxide	PBU	I
pentachlorophenol	PCP	I, WP, H
paradichloro-benzene	PDB	I, VP
pebulate	PEB	H
paraformaldehyde	PFH	F
permethrin	PFL	I
d-phenothrin	PHG	I
phorate	PHR	I
phosalone	PHS	I
picloram, isooctyl ester or sodium salt	PIC	H
picloram amine salts	PID	H
pindone	PIN	Rod
pirimicarb	PIR	I
phenylmercuric acetate	PMA	F
phenmedipham	PMP	H
polymerized butenes	POB	VP
pine oil	POI	F
propiconazole	PON	F
propetamphos	PPF	I
propham	PRF	H
propanil	PRL	H
prometon	PRM	H
prometryne	PRO	H
propachlor	PRP	H

phosmet	PRT	I
parathion	PTH	I
oxycarboxin	PTX	F
polyvinyl polymer adjuvant	PVP	ADJ
pyrazophos	PYF	I
pyrazon	PYR	H
pyrethrins	PYR	I
quintozene	QTZ	F
resmethrin	REZ	I
cycloate	ROE	H
ronnel	RON	I
rotenone	ROT	I, VP
red squill	RSQ	Rod
crufomate	RUE	I
sodium chlorate mixtures	SCL	H
sulfoxide	SFD	I
sodium fluoride	SFL	I
sulfotep	SFT	I
siduron	SID	H
silicon dioxide	SIO	I
solan	SLN	H
sodium metaborate octahydrate	SMM	H, WP
sodium metaborate tetrahydrate	SMT	H
simazine	SMZ	H
dimetilan	SNP	I
soap	SOA	I, VP
sethoxydim	SOD	H
sulphur, gaseous oxides	SOE	Rod
sodium pentachlorophenate	SPC	H
sulfaquinoxzline	SQS	Rod
streptomycin	STN	F
strychnine, alkaloid or sulphate	STR	VP, Rod
sulfallate	SUA	H
sodium monofluoroacetate	SUF	Rod
sulphur	SUL	I, F
sulphide sulphur	SUS	I, F
butylate	SUT	H
trichlorobenzoic acid	TBA	H
terbutryn	TBT	H
terbuthylazine	TBZ	H
TCMBT	TCM	F
tetrachloro-phenol	TCP	WP
trichloroacetic acid	TCS	H
tebuthiuron	TEB	H
tetradifon	TED	I
terbacil	TER	H
chlorothalonil	TET	F
lampreycide	TFM	VP
isobormyl thiocyanacetate	THA	I
thiram	THI	F, VP

trimethylnonyl polyethoxy ethanol	TMN	ADJ
tall oil fatty acids	TOF	ADJ
toxaphene	TOX	I
thiophanate-methyl	TPM	F
triadimefon	TQB	F
etridiazole	TRB	F
trifluralin	TRF	H
trichlofon	TRI	I
triallate	TRL	H
z-9-tricosene	TRN	I
triforine	TRR	F
thiabendazole	TZL	F
vernolate	VER	H
carbathiin	VIT	F
hexazinone	VPR	H
warfarin	WAR	Rod
water soluble dyes	WAT	H
famphur	WAX	I
2,4-xyleneol	XAY	F
zineb	ZIN	F
ziram	ZIR	F
zinc napthenate	ZNN	WP
zinc phosphide	ZNP	Rod

E. & O. E. (Errors and Omissions Excepted)

Codes:

H	herbicide
I	insecticide
IR	insect repellent
WP	wood preservative
F	fungicide
Rod	rodenticide
ADJ	adjuvant
VP	vertebrate pest
PGR	plant growth regulator
Misc	miscellaneous

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