FORM 1

(*See* rule 3)

Application for Registration of Pesticides

1. Name and address of the applicant :
2. Name of the pesticide (Brand Name/Trade name) :
3. Name and address of the manufacturer/ formulator. :
4. Common Name/Descriptive name :
5. Chemical Name (IUPAC nomenclature). :
6. Structural formula :
7. Empirical formula and molecular weight :
8. Manufacturer's development code number(s) :
9. Active ingredient (certified percentage of active material) :
   - (a) Physical state :
   - (b) Colour/Appearance :
   - (c) Odour :
   - (d) Refractive index :
   - (e) Melting point :
   - (f) Decomposition point :
   - (g) Viscosity :
   - (h) Boiling point :
   - (i) Vapour pressure: Figures should be given at a stated temperature preferably in the range of (20-25°C) :
   - (j) Flash point :
   - (k) Specific gravity/Density (for liquids only) :

(l) Hydrolysis rate under stated relevant conditions :

(m) Surface tension :

(n) Stability :

(o) Solubility :

(p) Compatibility :

(q) Photolysis :

(r) Absorption spectra, e.g. Ultraviolet, visible and infrared, etc. :

(s) Any other relevant properties :

(t) Acidity/ Alkalinity/ pH value :

10. Technical grade material :

(a) Source: name and address of manufacturer and address where manufactured :

(b) Physical state :

(c) Colour :

(d) Odour :

(e) Acidity/Alkalinity of pH value :

(f) Specific gravity :

(g) Viscosity :

(h) Flash point :

(i) Minimum (and maximum) active ingredient content in % W/W. :

(j) Identity and amount of isomers, impurities and other by-products, together with information on their possible range expressed as % W/W. :

(k) Storage stability (Low and High Temp. storage stability). :

11. Formulated Product :

(1) Identity/Appearance (colour) :

(2) Odour :

(3) Type of formulation :

(4) Content of active ingredient(s) :

(5) Content and nature (identity if possible for other components included in the formulation, e.g., technical grade, adjuvant and inert ingredient). :

(6) Water content/Moisture (above relevant). :

(7) Specific gravity :

(8) Viscosity :

(9) Low and High Temp. storage stability (in respect to composition and physical properties related to use.) :

(10) Impurities :

(11) Flamability :

(a) Liquid : Flash point :

(b) Solids : A statement must be made as to whether the product in flamable. :

(12) Acidity :

(13) Alkalinity :

(14) pH Value :

(15) Other properties may in certain cases need evaluation. :

(16) Carrier materials :

(17) Wetability (for dispersible powders) :

(18) Persistent foam (for formulation applied in water). :

(19) Suspensibility (for dispersible powders and suspension concentrates). :

(20) Particle size :

(21) Wet sieve test (for dispersible powders and suspension concentration) :

(22) Dry sieve test (for granules, dust) :

(23) Emulsion stability (for emulsifiable concentrates). :

(24) Bulk density :

(25) Corrosiveness (when necessary) :

(26) Flowability :

(27) In case of Tablet/Pellets:

(a) Weight :

(b) Thickness / height :

(c) Diameter :

(d) Colour/appearance :

(e) Percentage of active ingredients and other related standard specification. :

(28) Known incompatibilities with other products, e.g. pesticides, fertilizers. :

(29) Application with dosage rate :

12. Rate of release of active ingredient (granules, dust, etc.) :

13. Efficacy :

Primary evaluation date using, harmonized method and reported in a systematically presented complete dossier. :

14. Toxicology data :

(a) Acute
Oral toxicity and Dermal toxicity :

(b) Acute
Percentaneous toxicity :

(c) Acute
Inhalation :

(d) Acute
Other routes, e.g., in traperitoneal :

(e) Skin irritation :

(f) Eye irritation :

(g) Short term
Oral administration :

(h Short term
Sensitizing effects :

(i) Toxic effects of metabolics, break-down products or impurities. :

(j) Metabolic studies :

(k) Long-term toxicity, including carcinogenicity. :

(l) Neurotoxicity. :

(m) Reproduction studies. :

(n) Embryotoxicity, including teratogenicity. :

(o) Nutagenicity :

(p) Potentiation :

(q) Direct observtions, e.g., clinical cases. :

(r) Health records, both from industry and agriculture. :

(s) Treatment of poisoning :

(t) First aid measure. :

(u) Supplementary treatment. :

(v) Waiting period
(Last application to harvesting). :

15. Residue studies :

(a) Primary physical, chemical and biological data. :

(b) Identification of residue-design of analytical method. :

(c) Reliable residue data from supervised trials. :

(d) Estimation of maximum residue level at harvest. :

(e) Data on further disappearance on storage, transport, etc. :

(f) Estimation of residue level in commodity on sale. :

(g) Data on disappearance on food preparation, cooking or processing. :

(h) Prediction of potential consumer intake, actual intake studies. :

(i) Assessment of actual consumer intake. :

(j) Persistence of the product. :

16. Prediction of Environment effects:

(a) Fate and mobility studies of toxicant. :

(b) Method of application of pesticide. :

(c) Time of application. :

(d) Date of application. :

(e) Scale of use (Number of application etc.) :

(f) Climatic and geographical locality. :

(g) Volality of product. :

(h) Water solubility. :

(i) Octonol water partition coefficient. :

(j) Absorption. :

(k) Desorption. :

(l) Degradation. :

(m) Persistence. :

(n) Effects on birds. :

(o) Effects on fish :

(p) Effects on fish food species :

(q) Effects on honey bees :

(r) Degradation product in soil :

(s) Possibilities of accumulation, with stable lipophilic compounds :

(t) Effects on local aquatic species :

(u) Effects on soil organisms :

(v) Disposal of used, condemned and surplus pesticides and pesticides containers :

(w) Proposal for labeling and directions for use :

17. Packaging:

(a) State weight (or for liquids, volumes) and the sizes of package in which the products is to be marketed and for each size, the type of package, for instance i.e., 1 kg. in cans with screw plug and 50 kg. in iron drums, (Please note that the product must be sold only in the package size and type notified to the Plant Protection Wing, Deptt. of Agril. Extension and for which the label is approved.)

(b) Classification during transport.

18. Method of analyses :

(a) Methods of determine the active ingredients of the product (the accuracy of the method of determination should be stated (both instrumental and chemical).

(b) Methods to determine the amount of isomers, impurities and other by-products.

19. Labelled samples for analyses :

(a) Analytical reference standard 2-5g. :

(b) Technical grade material 0.5-1.0 kg. :

(c) Formulated product 5 kg/lit. for each formulation. :

20. Registration fee :

Taka 2000 (taka two thousand) to be deposited in Treasury Challan payable under Head of Account ''৪৫-কৃষি প্রাপ্তি (অনিষ্টকারী পোকা-মাকড় রোগ বালাই ব্যবস্থাপনা ও বিবিধ খাতে আয়'' ।

I do hereby apply for registration of the pesticides particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.

Explanation- In this Form, "Active ingredient" means an ingredient capable in itself of preventing, destroying, repelling or mitigating insects, fungi, bacteria, nematodes, viruses, rodents, weeds or other pests when used in the same manner and for the same purpose and those for which it is intended but is not antagonistic to the activity of any other active ingredient in the same formulation.

Date : ..... *Signature of applicant.*

NOTES

Direction for completion and submission of application (in triplicates).

1. The application must be accompanied by:
   (a) General literature of the products including toxicological and efficacy data.
   (b) Standard specification of technical product and formulation of the product.
   (c) Statement of ingredients (active and inert materials to be enclosed separately in a sealed and confidential cover).
   (d) Composition of formulation in details with percentage.
2. Certified true copy of the contract/agreement made between the manufacturer/principal and the local agent authenticated by the competent agency of the country for import and marketing the product in Bangladesh.
3. (a) In case of renewal of an existing registration, the previous certificate of registration: and
   (b) A suitable sample of the pesticide sufficient for test and analysis (physical and chemical properties).
4. Treasury Challan or Taka Two thousand evidencing payment shall be deposited under the reciept head: ''৪৫-কৃষি প্রাপ্তি (অনিষ্টকারী পোকা-মাকড়, রোগ- বালাই ব্যবস্থাপনা ও বিবিধ খাতে আয়'' ।
5. Submission of application in a sealed cover and marked "Confidential'.