REPUBLIC OF TRINIDAD AND TOBAGO
PESTICIDES AND TOXIC CHEMICALS CONTROL BOARD
CHEMISTRY/FOOD AND DRUGS DIVISION
MINISTRY OF HEALTH

Pesticides and Toxic Chemicals Act, 1979
Pesticides (Registration and Import Licensing) Regulations
Regulation 4

APPLICATION FOR REGISTRATION

TRADE NAME:…….

Application must be submitted in Duplicate

	SECTION I – IDENTITY		REF. TO DOC.
1.1	Common name of active ingredient(s)		
1.2	Chemical Name		
1.3	Name in IUPAC, ISO		
1.4	Empirical formula		
1.5	Structural formula		
	Section II – Information about the Product		
2.1	Is the active ingredient(s), or its production process currently covered by patents? If so, give reference		
2.2	Name, address and country of origin of supplier of active ingredient(s)		
2.3	Mode of function, i.e. systemic, contact, etc.		
2.4	Active ingredient	State the chemical composition and percentage of each active ingredient.	
2.5	Solvents, etc., (type and percentage)	State type, chemical name and percentage of each of the solvents, dispensing agents, emulsifiers and others contained in the product.	
2.6	Additives, etc., (type and percentage)	State type and percentage of possible additives, stabilizing agents, inhibitors or other.	

	Section II – Information about Product – Cont'd		Ref. to Documents
2.7	Physical state of Product	State whether the product is a liquid, wettable powder, dust fumigation powder, aerosol, etc.	
	Section III – Application of Product		
3.1	Application in the field (target organisms, etc.)	State type of plant diseases, etc., to be controlled by the pesticide in accordance with the enclosed directions for use, on which crop or on which material etc., it shall be used and whether the product shall be used in agriculture, horticulture, fruit growing, etc., in closed rooms (green houses, stables, poultry houses, food factories, storage rooms, kitchens, rooms, offices, warehouses, vehicles.	
3.2	Dosage Application Rate	For each method of application state the recommended dosage by kg of active ingredient, per hectare or of active ingredient per unit. State the application rate recommended in the direction for use. The rate shall be indicated as the percentage of the product in the ready for use formulation and in quantity liquid per hectare.	
3.3	Application	Recommended delay between application and harvesting. Recommended method and frequency.	
3.4	Miscibility	State of miscibility of the product and other pesticides, water, seawater. State if it is recommended to apply the product together with other pesticides. If so, then name them.	
3.5	Efficacy		
3.5.1	Laboratory tests		
3.5.2	Field tests		
3.6	Phytotoxicity of the product		

	Section IV – packaging and Labeling of Product		Ref. To Documents
4.1	Proposal for labeling and directions for use		
4.2	Packaging	State net contents and overall capacity of package. Please note that the product must be sold only in the package size and type notified to the Pesticide and Toxic Chemical Control Board.	
	Section V – Disposal		
5.1	Method of destruction, neutralization	Recommended procedure for dealing with spillages on land or in water including decontamination and dispersal.	
5.2	Disposal	Disposal of excess prepared for use. Disposal of waste.	
	Section VI – Safety Advice		
6.1	Handling, storage and transportation		
6.2	Is there any disaster or emergency preparedness plan for chemical accidents?		
	Section VII – Physical, Chemical and Technical Properties of Product		
7.1	Inflammability, etc.	Does the product contain any explosive, inflammable, irritant, oxidizing materials, or any chloroflurocarbons?	

	Section VII – Physical, Chemical and Technical Properties of Product – Cont'd		Ref. to Documents
7.2	Acidity or alkalinity		
7.3	Density (for liquids)		
7.4	Particle size (powder or dust)		
7.5	Suspension or emulsification properties		
7.6	Corrosive properties		
	Section VIII – Physical and Chemical Properties Of Active Ingredient		
8.1	Method of Analyses	Method to detect and determine the active ingredient(s) of the product, qualitatively and quantitatively. CIPAC, AOAC, ISO, other methods. Gas Chromatography with electron-capture detection.	Attach laboratory reference standard of pure active ingredient
8.2	Spectral data provided	UV ☐ IR ☐ NMR ☐	Attach trace of curves
8.3	Brief description of the production process of active ingredient, if known		
8.4	State of: (a) Technical ingredient (b) Pure ingredient		
8.5	Melting point, sublimation point, decomposition temperature (degrees Celcius): (a) Technical ingredient (b) Pure ingredient		
8.6	Vapour pressure (Pa 25 degrees celcius): (a) Technical ingredient (b) Pure ingredient		
8.7	Boiling point (degrees celcius): (a) Technical ingredient (b) Pure ingredient		
8.8	Density D_4^{20} : (a) Technical Ingredient (b) Pure Ingredient	For gases indicate density at 0°C, 25°C in relation to normal atmosphere.	
8.9	Surface Tension (at 25 °C) N/m		
8.10	Fat solubility (at 37°C) (a) Technical Ingredient mg/100g (b) Pure Ingredient		
8.11	Water solubility mg/l (25°C): (a) Technical Ingredient (b) Pure Ingredient		

	Section VIII – Physical and Chemical Properties of Active Ingredients – Cont'd		Ref. To Documents
8.12	Partition co-efficient n-octanol/water		
8.13	Solubility in organic solvents		
8.14	Hydrolysis stability in: (a) Water (b) Acid (c) Alkali	Specify concentrations where necessary. Identity of breakdown products.	
8.15	Stability in air		
8.16	Thermo-stability and effect of light	Specify conditions, temperature (^{o}C), wavelength.	
8.17	Flashpoint (^{o}C)		
8.18	Flammability in accordance with the definitions given in UN, TTS, ISO documents		
8.19	Oxidizing effect		
8.20	Product of combustion or Pyrolysis		
8.21	Specific Gravity		
8.22	Refractive index: (a) Technical Ingredient (b) Pure Ingredient		
8.23	Colour, Odour		
8.24	Other characteristics known to applicant		
	Section IX – Toxicological Data		
9.1	Acute oral toxicity	LD_{50} mg/kg (mammals)	
9.2	Acute dermal toxicity	LD_{50} mg/kg (mammals)	
9.3	Acute toxicity by inhalation	LD_{50} mg/kg (mammals)	
9.4	Skin irritation		
9.5	Irritation to eyes		
9.6	Chronic toxicity. Feeding tests on two mammalian species		
9.7	Carcinogenic effect		
9.8	Mutagenic effect		
9.9	Other studies on mutagenicity		
9.10	Studies on teratogenicity		
9.11	Neuro – toxicity		
9.12	Toxicity of metabolites; breakdown products; Impurities		
9.13	Sensitization		

	Section IX – Toxicological Data – *Cont'd*		Ref. To Documents
9.14	Human toxicity. Experience gained in the production process, by use in practice, or by poisoning case.	Symptoms, specific signs of poisoning. Information on reported cases.	
9.15	Antidote and first-aid measures		
9.16	Sub-chronic toxicity		
9.16.1	(a) Tests on rat for 90 days		
9.16.2	(b) Tests on dog for 3 to 6 months		
9.17	Metabolism in animals		
9.17.1	Absorption, distribution and elimination in mammals		
9.17.2	Absorption, distribution and elimination in other animals		
9.18	Biotransformation in mammals		
9.18.1	Other studies in mammals (hematology, kidney, liver functional tests, effect on enzymes)		
9.19	Ecotoxicological data		
9.19.1	Accumulation in soil		
9.19.2	Leaching and mobility		
9.19.3	Adsorption to soil particles		
9.19.4	Adsorption to organic matter		
9.19.5	Toxicity to soil organisms		
9.20	Accumulation in water		
9.20.1	Biotic Degradation		
9.20.2	Toxicity to aquatic organisms		
9.21	Toxicity to beneficial insects		
9.22	Toxicity to wild fauna		
9.23	Toxicity to birds		
9.24	Toxicity to honeybees	Field trials and observations	
9.25	Possible studies in simulated ecosystem		
9.26	Phytotoxicity		
9.27	Ecotoxicological data relevant to tropical conditions		
	Section X – Residue Data		
10.1	Registration, classification and residue concentration allowed in other countries	Maximum residue limits. No effect level, and acceptable daily intake in man.	

10.2	Metabolism in plants	Absorption, transportation, type and quantity of metabolite and residue elimination curves or half-life.	
10.3	Method of detection of residues in:		
10.3.1	(a) Food		
10.3.2	(b) Water, soil, air		
10.3.3	(c) Wildlife		
10.3.4	(d) Wood, textile, or treated materials		
10.4	Data on residues in food stuffs, meat, milk, animal products, crops, other treated materials	Give environmental conditions of experiments. Effect of cooking etc.	
10.5	Other residue data wildlife, soil, water, industrial sites		
	Section IX – Registration in other countries		
11.1	Has the pesticide been registered for use in any country of the Caribbean Community?		
11.2	Has the pesticides been registered for use in USA, Canada, India, Australia, EEC countries?		
11.3	Are there any restrictions on its use? If yes, state the restrictions.		
11.4	Is there a certified copy of certificate of registration or any similar document issued in the country of origin of the pesticide by a competent authority acceptable to the Board?		
11.5	Is the pesticide sold in the country of origin? If not, give reason.		

N.B. – Every application shall be treated as confidential by the Board and shall be considered by the board within one hundred and twenty (120) days of its receipt by the Registrar.

…… ……

Date **Signature**

(Company Stamp)