

## Application form of Requirements for Agro-pesticide Registration (Microbial pesticides)

|                                    |   |      |              |        |
|------------------------------------|---|------|--------------|--------|
| Applicant                          | (Stamp)   |      | Address      |        |
| Person in charge                   | (Stamp)   |      |              |        |
| Tel. No.                           |   | Fax. |              | E-mail |
| Common name                        |   |      | Target pests |        |
| Application category               | <input type="checkbox"/> A. New active ingredients<br><input type="checkbox"/> B. New formulation or content (includes mixture)<br><input type="checkbox"/> C. New range of use<br><input type="checkbox"/> D. Have been registered for 8 years ( <input type="checkbox"/> New source technical material)<br><input type="checkbox"/> S. Other ( _____ )<br>Please fill or check the box to select the item |      |              |        |
| Has applied for or registered for: |   |      |              |        |
| Product                            | Intended use  |      | License No.  |        |

## 1. Product Informaton :

## 1.1 Identity

1.1.1 Formulation and concentration: \_\_\_\_\_

1.1.2 Brand name (product code): Chinese name: \_\_\_\_\_ English name: \_\_\_\_\_

## 1.2 Active ingredients: (If more than one, please use additional fields)

1.2.1 Common Name: (Chinese) \_\_\_\_\_  
(English) \_\_\_\_\_1.2.2 Chemical name: (IUPAC) \_\_\_\_\_  
(CA) \_\_\_\_\_

1.2.2 Microbial  
Identification  
(including  
methods of  
identification) :

1.2.3 Biological  
Characteristics :

1.2.4 Ingredients  
Description  
(including  
analysis  
methods)

1.2.5 Brief  
Description of  
Product  
Process Flow :

2. The composition and physical-chemical properties of the technical grade agro-pesticide (If more than one, please use additional fields)

2.1 Nominal content (or certified limited) : \_\_\_\_\_

※The value should be based on the five batch analysis data

2.2 Manufacturer:

2.2.1 Name \_\_\_\_\_

2.2.2 Address \_\_\_\_\_

2.2.3 Country \_\_\_\_\_

2.2.4 Source of authority \_\_\_\_\_

2.3 Registration Company \_\_\_\_\_

2.4 License No. \_\_\_\_\_

2.5 Composition

2.5.1 Data information

Report title: \_\_\_\_\_

Report No. \_\_\_\_\_

Report date : \_\_\_\_\_

Test facility: \_\_\_\_\_

GLP registered  Yes, Registered No.,

org.: \_\_\_\_\_ Country, Expiration date \_\_\_\_\_

No

2.5.2 The composition of technical material (TC):

| No. | Name or | Chemical | CAS No | Content (%) | Remarks |
|-----|---------|----------|--------|-------------|---------|
|-----|---------|----------|--------|-------------|---------|

|                                      | code | name | Upper<br>limit | Lower<br>limit | Mean<br>±SD |
|--------------------------------------|------|------|----------------|----------------|-------------|
| Active<br>ingredients:               | 1    |      |                |                |             |
|                                      | 2    |      |                |                |             |
| Other<br>ingredients :<br>(impurity) | 1    |      |                |                |             |
|                                      | 2    |      |                |                |             |

### 2.5.3 The composition of technical concentrate (TK):

|                        | No. | Name or<br>code | Chemical name | CAS No | Content<br>(%) | Remarks |
|------------------------|-----|-----------------|---------------|--------|----------------|---------|
| Active<br>ingredients: | 1   |                 |               |        |                |         |
|                        |     |                 |               |        |                |         |
| Other<br>ingredients   | 1   |                 |               |        |                |         |
|                        |     |                 |               |        |                |         |

### 2.6 The physical-chemical properties of technical material(TC)

| Test item  | Result | Test material<br>(purity / batch<br>No.) | Condition<br>and Method | Test facility<br>(GLP registered<br>status)and report<br>No. |
|--|--------|--|-------------------------|--|
| 2.6.1 Physical state                             |        |  |                         |  |
| 2.6.2 Color                                      |        |  |                         |  |
| 2.6.3 Odor                                       |        |  |                         |  |
| 2.6.4 pH values                                  |        |  |                         |  |
| 2.6.5 Melting point                              |        |  |                         |  |
| 2.6.6 Boiling point                              |        |  |                         |  |
| 2.6.7 Density, Specific<br>gravity, Bulk density |        |  |                         |  |
| 2.6.8 Vapor pressure                             |        |  |                         |  |
| 2.6.9 Solubility                                 |        |  |                         |  |
| 2.6.9.1 Water                                    |        |  |                         |  |
| 2.6.9.2 Solvent                                  |        |  |                         |  |

**2.6.10 Viscosity**

## 2.6.11 Stability

2.6.11.1 Heat

2.6.11.2 Metal

2.6.11.3 Light

## 2.6.12 Miscibility

## 2.6.13 Flammability

2.6.13.1

Flash point

2.6.13.2

Flammable

2.6.13.3

Autoignition temperature

## 2.6.14 Explodability

## 2.6.15

## Corrosive characteristics

## 2.6.16

## Storage stability

## 2.6.17

## Partition coefficient

## 2.6.18

## Dissociation constant

## 2.7 The physical-chemical properties of technical concentrate(TK)

| Test item  | Result | Test substance (purity / batch No.) | Test Methods And conditions | Test facility (GLP registered status)and report No. |
|--|--------|-------------------------------------|-----------------------------|---|
| 2.7.1 Physical state                                 |        |                                     |                             |   |
| 2.7.2 Color  |        |                                     |                             |   |
| 2.7.3 Odor   |        |                                     |                             |   |
| 2.7.4 pH   |        |                                     |                             |   |
| 2.7.5 <b>Density, Specific gravity, Bulk density</b> |        |                                     |                             |   |

2.7.6 Viscosity

2.7.7 Flammability

2.7.7.1 Flash point

2.7.7.2 Flammable

2.7.7.3 Autoignition  
temperature

2.7.8 Explodability

2.7.9 Corrosive

characteristics

2.7.10 Storage stability

### 3. Formulated agro-pesticide composition and Physico-chemical Property

3.1 Active Ingredient content

3.2 Manufacturing

3.2.1 Name

3.2.2 Address

3.2.3 Country

3.2.4 Sources of authority

3.3 Registration Company

3.4 License Number

3.5 Composition :

|                    | No. | Name or code | Chemical Name | CAS No | Content (%) | Agents Function |
|--------------------|-----|--------------|---------------|--------|-------------|-----------------|
| Active ingredients | 1   |              |               |        |             |                 |
| Other ingredients  | 1   |              |               |        |             |                 |
|                    | 2   |              |               |        |             |                 |

3.6 Formulated agro-pesticide for Physico-chemical Property

| Test Item            | Results | Substance to be Tested (Purity/Batch No.) | Testing methods and condition | Test Unit (GLP login status) and report number |
|----------------------|---------|---|-------------------------------|--|
| 3.6.1 Physical state |         |   |                               |  |
| 3.6.2 Color          |         |   |                               |  |
| 3.6.3 Odor           |         |   |                               |  |
| 3.6.4 pH             |         |   |                               |  |

3.6.5 Density, Specific  
gravity, Bulk  
density

3.6.6 Viscosity

3.6.7 Miscibility

3.6.8 Flammability

3.6.8.1

Flash point

3.6.8.2

Flammable

3.6.8.3

Autoignition  
temperature

3.6.9 Explodability

3.6.10 Corrosive  
characteristics

3.6.11

Storage stability

#### 4、Quality control

##### 4.1 **Composition** analysis

|                                | Batch<br>NO. | Results | standard<br>certified<br>limits | Analysis method and<br>condition |
|--------------------------------|--------------|---------|---------------------------------|----------------------------------|
| 4.1.1                          |              |         |                                 |                                  |
| Technical grade agro-pesticide |              |         |                                 |                                  |
| 4.1.1.1                        |              |         |                                 |                                  |
| Active ingredients             |              |         |                                 |                                  |
| 4.1.1.2                        |              |         |                                 |                                  |
| hazardous impurities           |              |         |                                 |                                  |
| 4.1.1.3                        |              |         |                                 |                                  |
| Other ingredients              |              |         |                                 |                                  |
| 4.1.2                          |              |         |                                 |                                  |

## Formulated agro-pesticide

4.1.2.1

Active ingredients \_\_\_\_\_

4.1.2.2

Other hazardous impurities \_\_\_\_\_

4.2 specifications of the  
formulated agro-pesticide  
formulation.

| Specifications<br>Item       | Batch NO. | Results | standard<br>certified<br>limits | Analysis method and<br>condition |
|------------------------------|-----------|---------|---------------------------------|----------------------------------|
| Emulsion<br>stability        |           |         | _____                           |                                  |
| Suspensibility               |           |         | _____                           |                                  |
| Spontaneity of<br>dispersion |           |         | _____                           |                                  |
| Foaming                      |           |         | _____                           |                                  |
| wettability                  |           |         | _____                           |                                  |
| Degree of<br>fineness        |           |         | _____                           |                                  |
| Particle size                |           |         | _____                           |                                  |
| Solubility                   |           |         | _____                           |                                  |
| Other(fill in<br>name)       |           |         | _____                           |                                  |

## 5、Toxicology study

## 5.1 Acute toxicity/ pathogenicity test

## 5.1.1 Oral (acute toxicity/ pathogenicity)

rat (female/male) \_\_\_ yes \_\_\_ no pathogenicity (T.C.) ; LD<sub>50</sub>mg/Kg (Formulated  
agro-pesticide)mice (female/male) \_\_\_ yes \_\_\_ no pathogenicity (T.C.) ; LD<sub>50</sub>mg/Kg (Formulated  
agro-pesticide)

## 5.1.2 Dermal (acute toxicity)

rabbit LD<sub>50</sub> \_\_\_\_\_ mg/Kg (T.C.) ; LD<sub>50</sub> \_\_\_\_\_mg/Kg (Formulated  
agro-pesticide)Other ( ) LD<sub>50</sub> \_\_\_\_\_ mg/Kg (T.C.) ; LD<sub>50</sub> \_\_\_\_\_mg/Kg (Formulated  
agro-pesticide)

## 5.1.3 Pulmonary (acute toxicity/ pathogenicity)

rat (female/male) \_\_\_ yes \_\_\_ no pathogenicity (T.C.)

mice (female/male) \_\_\_ yes \_\_\_ no pathogenicity (T.C.)

## 5.1.4 I.V., I.P. injection (acute toxicity/ pathogenicity)

|      |               |       |     |       |    |                      |
|------|---------------|-------|-----|-------|----|----------------------|
| rat  | (female/male) | _____ | yes | _____ | no | pathogenicity (T.C.) |
| mice | (female/male) | _____ | yes | _____ | no | pathogenicity (T.C.) |

5.1.5 Eye irritation

T.C. :

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Formulated

agro-pesticide :

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5.1.6 Skin irritation

T.C. :

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Formulated

agro-pesticide :

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5.1.7 Skin Sensitization

T.C. :

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Formulated

agro-pesticide :

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5.1.8 Cell culture

T.C. : \_\_\_\_\_yes \_\_\_\_\_no pathogenicity

5.2 Avian and aquatic toxicity tests (acute toxicity/ pathogenicity)

5.2.1 fresh water fish ( \_\_\_\_\_ ) or other organism( \_\_\_\_\_ ) :

\_\_\_\_\_ yes \_\_\_\_\_ no pathogenicity(T.C.) LC<sub>50</sub> ( \_\_\_\_\_ hr) \_\_\_\_\_ cfu/L or IB/L (Formulated agro-pesticide)

5.2.2 invertebrate aquatic organism ( \_\_\_\_\_ ) :

\_\_\_\_\_ yes \_\_\_\_\_ no pathogenicity(T.C.) LC<sub>50</sub> ( \_\_\_\_\_ hr) \_\_\_\_\_ cfu/L or IB/L (Formulated agro-pesticide)

5.2.3 avian (T.C.) :

species ( 5 day ) ; \_\_\_\_\_ yes \_\_\_\_\_ no Pathogenicity,dose : \_\_\_\_\_

6. Data of acute contact toxicity of formulated pesticide against honeybees: LD<sub>50</sub> (Not necessary for the native biological pesticides, but the foreign biological pesticide should submit the pathogenicity data of registered biological pesticide to bees)

Acute toxicity or side effect to other beneficial insects

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7. Efficacy trials and crop safety (phytotoxicity) trials Brief summary of conducted year, nations or locations, dosages of test product used and replicates per treatment in trials



Crop Common name and scientific name of crop

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Targets controlled Common name and scientific name of plant insect/disease/weed.

8. Field of Use and Notes
- Dilution rate:
  - Product kg or Liter per hectare:
  - Application stage:
  - Application interval:
  - Application number:
  - Notes on application: