



## MATERIAL SAFETY DATA SHEET

### SECTION 1: Manufacturer/information service:

**Product name:** Imidacloprid 95.0% w/w TC

**Manufactory:** Nanjing Fengshan Chemical Co., Ltd.

**Address:** 1904 Centre International Plaza, 105-6 North Zhongshan Road, Nanjing City, Jiangsu Province, China.

**Tel:** +86-25-6660 5701

**Fax:** +86-25-8655 8673

### SECTION 2: HAZARDS IDENTIFICATION

Component	Symbol	R phrases
Imidacloprid	T	R23/25-48

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content % W/W
Imidacloprid	138261-41-3	95.0
Other ingredients		5.0

### SECTION 4: FIRST AID MEASURES

**Skin:** Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.

**Eyes:** First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

**Inhalation:** Move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

**Ingestion:** Do not induce vomiting if the person is conscious. Give glass of water. Get to a doctor.

**Notes to physician:** No specific antidote if ingested. Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing media

To be used: Water, carbon dioxide, dry chemical and foam.

**Particular risk:** None

Measures of personal protection: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal cautions:** Safety glasses or goggles, rubber gloves, shoes plus socks,



long-sleeved shirt, and long pants.

#### **Cleaning methods**

EX: The empty container may be decontaminated by rinsing two or three times with water and detergent and scrubbing the sides.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

### **SECTION 7: HANDLING AND STORAGE**

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Personal protective equipment**

Respiratory protection: Approved respirator

Protective gloves: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: Adequate ventilation.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** white powder with slight special odour.

**Melting point:** 144°C.

**Density:** 1.54 (23°C);

**Water solubility:** 0.61g/L (20°C)

**Flash point:** non-inflammable;

### **SECTION 10: STABILITY AND REACTIVITY**

**Conditions to avoid:** flame, fire and high temperature.

**Products to avoid:** incompatible with alkaline pesticides;

**Thermal decomposition:** N/A;

**Hazardous decomposition products:** nitride, chloride, carbon dioxide and so on.

**Hazardous reaction:** Not applicable

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute oral LD<sub>50</sub>** for male and female rats 450 mg/kg.

**Acute percutaneous LD<sub>50</sub>** (24 h) for rats >5000 mg/kg

**Acute inhalations LC<sub>50</sub>** (4 h) for rats >5323 mg/m<sup>3</sup> dust, 69 mg/m<sup>3</sup> air (aerosol).

**Contact with the skin:** Not irritant to skin

**Contact with the eyes:** Not irritant to eye.

### **SECTION 12: ECOLOGICAL INFORMATION**

**Aquatic organisms:** LC<sub>50</sub> (96 h) for rainbow trout 211, golden orfe 237 mg/l.

**Bird:** Acute oral LD<sub>50</sub> for bobwhite quail 152, Japanese quail 31mg/kg; Dietary LC<sub>50</sub> (5 d)



for bobwhite quail 2225, and mallard ducks >5000 mg/kg.

**Bee:** Imidacloprid is highly toxic to bees if used as a foliar application, especially during flowering, but is not considered a hazard to bees when used as a seed treatment.

**Earth worms:** LC<sub>50</sub> for Eisenia foetida 10.7mg/kg dry soil;

#### SECTION 13: DISPOSAL CONSIDERATIONS

Material which can not be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and Local regulations. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or container.

#### SECTION 14: TRANSPORT INFORMATION

No data

#### SECTION 15: REGULATORY INFORMATION

**Symbol:** T

**R phrases:** R23/25-48

**S phrases:** S2/7/9/13/36/39

#### SECTION 16: OTHER INFORMATIONS

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.