

FARM-AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000

Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe South Africa

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: IMIDAGEL 2,15 % PC
Creation Date: May 2010
Revision Date: August 2017

Product name: Imidacloprid
Chemical name: 1-[(6-chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinimine
CAS No.: 138261-41-3
Molecular formula: C₉H₁₀C₁N₅O₂
Molecular weight: 255.7

24 Hr Emergency Number: 082 771 2712

In case of poisoning:

Poison Information Centre: 082 446 8946
Tygerberg Hospital: (021) 931 6129
Poison Emergency Enquiries (021) 689 5227

In case of Spillage:

HAZMAT: 0800 147 112

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Imidacloprid	25g/kg
Carbohydrate	300g/kg
CMC	30g/kg
Carrageenan	15g/kg
Humectant:	200g/kg
Preservative:	15g/kg
Silicon Dioxide	120g/kg
Dye:	10g/kg
water:	Up to 1000g/kg

SECTION 3 - HAZARD IDENTIFICATION**Potential health effects:**

Route(s) of entry: Inhalation, skin contact, eye contact, ingestion

Human effects and symptoms of overexposure:

Acute effects of exposure: No specific symptoms of acute overexposure are known to occur in humans. Based on EPA toxicity category criteria, this product is essentially non-toxic by the oral and dermal routes of exposure. In addition. Animal studies have shown that this material is minimally irritating to the eye and slightly irritating to the skin.

Chronic effects of exposure: No specific symptoms of chronic overexposure are known to occur in humans.

Medical conditions aggravated by exposure: No specific medical conditions are known which may be aggravated by exposure to this product.

SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

Ingestion: If ingestion is suspected, call a physician or poison control center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15ml) of syrup of ipecac following by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing and shoes. Rinse skin immediately with plenty of water 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Call a poison control center or doctor for further treatment advice.

Eye: Have eye open and rinse slowly and gently with water for 15-20minutes. Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Note to Physician: No specific antidote is available. Treat patient symptomatically.

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SECTION 5 - FIRE-FIGHTING MEASURES

Flash point: >93°C**Extinguishing media:** Water; Carbon Dioxide; Dry Chemical; Foam**Specific fire fighting media:** Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Spill or leak procedures: Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing vapors and skin contact. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. If large spill, material should be recovered. Small spills can be absorbed with absorbent granules, spill control pads, or any absorbent material. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

Handling Precautions:

Do not contaminate water, food or feed by storing or disposal. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

Storage:

Store in cool dry area designated specifically for pesticides. Do not store near any material intended for use or consumption by humans or animals.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Exposure during the end-users use of this product is expected to be minimal. End-users should refer to the packaging label for proper handling procedures. However, if exposure to this product is possible while handling large quantities such as in manufacturing, transportation spills or other emergencies, the following personal protection is recommended.**Eye Protection:** Wear splash proof or dust resistant safety goggles and face shield.**Eye Protection:** Long sleeves and trousers.**Hand Protection:** Chemical-resistant gloves such as latex or nitrile.**Respirator requirements:** NIOSH-approved particulate respirator**Additional protective measures:** Clean water should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instruction. Launder clothing after use. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste**Colour:** White**Odour:** A weak characteristic odour**Solubility:** 0.61g/l (at 20 °C)**Molecular weight:** 255.7**Density:** 1.19

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable**Hazardous polymerization:** Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicology Data (Active ingredient):Acute Oral LD₅₀ (rat): 397mg/kg

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Acute Dermal LD₅₀ (rat): > 5000mg/kgAcute Inhalation LC₅₀ (4h rat): >0.069mg/L air

Eye Irritation (rabbit): non-irritating to eyes

Skin Irritation (rabbit): non-irritating to skin

SECTION 12 - ECOLOGICAL INFORMATION

Bee toxicity: Harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crop or when used as a seed treatment.

Fish: LC₅₀ (96 h) for golden orfe 237mg/l, for rainbow trout 211mg/l.

Daphnia: LC₅₀ (48h) for Daphnia is 85mg/l.

Algae: EC₅₀ (96h) for Pseudokirchneriella subcapitata is greater than 100mg/l.

Earthworm: Acute LC₅₀ (14d) for Eisetia foetida 10.7mg/kg dry soil.

Birds: LD₅₀ for bobwhite quail: 152mg/kg, for Japanese quail: 31mg/kg.

SECTION 13 - DISPOSAL CONSIDERATION

Dispose of container at an approved waste disposal facility or by incineration if allowed by state and local authorities. Do not use container in connection with food, feed, or drinking water.

14. TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping

Name: Not applicable

Class and Subsidiary Risk: This product is not classified as a Dangerous Good

Packing Group: Not applicable

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

This Information is provided in good faith, but no warranty, expressed or implied, is made. The manufacturer believes that it is accurate and to the best of its knowledge, and relates only to the specific material designated herein.