

顺毅股份有限公司

Synwill Co., Ltd.

Add: No. 97 Waisha Road, Jiaojiang District, Taizhou City, Zhejiang Province, P. R. China.

Tel: +86-576-88827793 Fax: +86-576-88827789 Post Code: 318000

Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product name: Imidacloprid 300g/L FS

Chemical name: 1-[(6-chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinimine

CAS No.: 138261-41-3

Use Class: Insecticide

SECTION 2: COMPOSITION AND INGREDIENT INFORMATION

Imidacloprid

300.0g/L

SECTION 3: HEALTH HAZARD INFORMATION

Risk phrases:

R22 – Harmful if swallowed.

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air and keep warm and at rest. Seek medical advice if at all worried.

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Skin contact: Carefully remove contaminated clothing. Wash affected areas with soap and water.

Seek medical advice if at all worried.

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Eye contact: Rinse eyes immediately with clean water for at least 15 minutes. Obtain medical advice.

Ingestion: Obtain immediate medical advice as above. Do not induce vomiting unless advised to do so by doctor or Poisons Information Centre. Do not give anything by mouth to an unconscious or semi conscious person.

SECTION 5: FIRE AND EXPLOSION INFORMATION

Extinguishing media: Water, foam, extinguishing powder, carbon dioxide, sand.

Hazards from combustion products: In a fire, formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides can be expected.

Precautions for fire fighters: Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later. Do not release contaminated water into the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with the spilled material or contaminated surfaces. When dealing with spills do not eat, drink or smoke and wear protective clothing and equipment as described in Section 8 - PERSONAL PROTECTION. Keep people and animals away. Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay, or other absorbent material. Collect and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

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SECTION 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

Storage: Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Control process conditions to avoid contact. Use in a well-ventilated area only.

Personal protective equipment:

Eyes: Wear goggles.

Clothing: Wear cotton overalls buttoned to the neck and wrist and a washable hat.

Gloves: Wear elbow-length PVC gloves.

Respiratory: Wear a disposable mask if inhalation is likely.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white liquid

Odor: Characteristic odor

pH: 5.0 – 8.0

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SECTION 10: STABILITY AND REACTIVITY INFORMATION

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid extreme heat.

Incompatible materials: Avoid acids, alkalis, strong oxidising agents.

Hazardous decomposition products: None under normal conditions. In a fire, formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides can be expected.

Hazardous reactions: None

SECTION 11: TOXICOLOGICAL INFORMATION

For Imidacloprid Tech

Oral: Acute oral LD₅₀ for male and female rats c. 450 mg/kg.

Skin and eye: Acute percutaneous LD₅₀ (24 h) for rats >5000 mg/kg. Non-irritating to eyes and skin (rabbits). Not a skin sensitizer.

Inhalation: LC₅₀ (4 h) for rats >5323 mg/m³ dust, 69 mg/m³ air (aerosol).

SECTION 12: ECOLOGICAL INFORMATION

For Imidacloprid Tech

Birds: Acute oral LD₅₀ for Japanese quail 31, bobwhite quail 152 mg/kg. Dietary LC₅₀ (5 d) for bobwhite quail 2225, mallard ducks >5000 mg/kg.

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

Daphnia: LC₅₀ (48 h) 85 mg/l.

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

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SECTION 13: DISPOSAL CONSIDERATIONS

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Triple rinse or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste product through a reputable waste contractor.

SECTION 14: TRANSPORT INFORMATION

UN number: 3082

Class: 9

Packing group: III

SECTION 15: REGULATORY INFORMATION

NOT APPLICABLE

SECTION 16: OTHER INFORMATION

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of our company's knowledge. We make no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. To the extent permitted by applicable law, we disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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