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PRODUCT NAME - Intrigue Termite Dust

Statement of Hazardous Nature:

"Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission"

BAYER AUSTRALIA LIMITED

875 PACIFIC HWAY

PYMBLE NSW 2073

PH. (02) 9391-6000

EMERGENCY TEL. NO.:1800 033 111 24H Emergency Service Australia wide, toll free

1. IDENTIFICATION

1.11 Proper Shipping Name: Not Available

1.12 Other names: No other names

1.13 UN Number: None Allocated

1.14 Hazchem Code: None Allocated

1.15 Dangerous Goods Class: None Subsidiary Risk: None Allocated

1.16 Poisons Schedule Number: S5

1.17 Manufacturer's Product Code: 1021604

1.18 Use: Insect growth regulator dust for termite control in defined situations

1.2 Ingredients

1.20 Chemical Entity	CAS No.	Proportion
Triflumuron	64628-44-0	800 g/L
C.I. Pigment Blue	68187-11-1	Med
Amorphous silica	112926-00-8	Low

Chemical characterisation: TRIFLUMURON

2-Chloro-N-(((4-(trifluoromethoxy)phenyl)amino)carbonyl)benzamide

Chemical group: benzoyl urea

Proportion (%w/w) Med 10-29%; Low 1-9%

1.3 Physical Description Properties

1.30 Form: Powder

Colour: Blue

Odour: Odourless

Change in physical state: -

boiling point: not applicable

melting point: approx 180 degrees C

Density: - untamped - 420 mL/100g tamped - 320 mL/100g

Vapour pressure: 0.4 X 10⁻⁹ mbar at 20 degrees C (active constituent)

Viscosity: not applicable

Solubility in water: 2.5 X 10⁻⁷ g/L at 20 degrees C

pH value: 7.0 to 9.0 at 10% in water

Flash point: not applicable

Ignition temperature: not applicable

Explosive limits: not applicable

1.5 Other Properties

1.51 Further information:

No further information.

2. HEALTH HAZARD INFORMATION

2.10 Health effects:

The product is a chitin synthetase inhibitor - this enzyme is not present in mammals. There are no specific symptoms of triflumuron toxicity known. The active constituent has very low mammalian toxicity. Triflumuron has been shown in animal tests to be non-carcinogenic, non-teratogenic, and non-mutagenic. Triflumuron (active) is non-irritant to the eyes and mucous membranes.

2.11 First aid:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131126.
If in eyes, hold open and flood with water for at least 15 minutes and see a doctor.
If on skin, remove any contaminated clothing and wash skin thoroughly with soap and water.

2.12 Advice to Doctor:

Systemic toxicity with this product is unlikely. In the event of ingestion apply basic aid, decontamination and symptomatic treatment. Triflumuron is a chitin synthesis inhibitor. As chitin synthetase is not present in mammals the compound does not act on any specific mammalian enzyme system.

3. PRECAUTIONS FOR USE

3.1 Safety Precautions

3.10 Exposure Standards:

Amorphous silica
MAK: 4 mg/cu m (total dust)
OES (GB): 6 mg/cu m (total dust)
TLV (USA): 10 mg/cu m (total dust)

CI Pigment Blue 36
MAK (fine dust) 6 mg/cu m

Australian exposure standard for fine dust: 10 mg/cu m TWA measured as inspirable dust.

3.11 Engineering controls:

No engineering controls are required for the normal use of this product according to label.

3.2 Personal Protection

3.20 Personal protective measures:

When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length rubber gloves and a disposable dust mask.

3.21 Personal protective equipment:

When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length rubber gloves and a disposable dust mask.

3.22 Industrial hygiene:

Avoid contact with eyes or skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.

3.3 Flammability

3.31 Protection against fire and explosion:

Prevent formation of dust deposits.
Keep container tightly closed when not in use.

4. SAFE HANDLING INFORMATION

4.1 Storage and Transport

4.10 Storage

Keep out of reach of children. Store away from food, drink or animal feeding stuffs.
Store above -10 degrees C and below 30 degrees C. Keep away from heat or moisture.

4.11 Transport:

Classification according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
Shipping name: Not Available
Packing group: None

UN No: None Allocated
DG Class: None Sub Risk: None Hazchem: None

4.12 Dangerous Goods / Hazardous Substances Regulation

This product is subject to the following regulations: Standard for the Uniform Scheduling of Drugs and Poisons

4.13 Further Information

No further information.

4.2 Spills and Disposals

4.21 After spillage/leakage/gas leakage: Prevent spillage from spreading or entering waterways and drains. Work from upwind side of spill. Spread impregnated sawdust over spillage, sweep up and place in a sealable container. Avoid breathing the dust. Clean affected area with aqueous detergent and a small amount of water. Absorb this detergent/water with absorbent material. Do not eat, drink or smoke during clean-up operation. All possible steps should be taken to stop the product entering waterways and drains to prevent contamination of aquatic environments.

4.22 Disposal:

- 1) After intended use: Shake and completely empty the contents onto dusting site. Do not dispose of unused chemicals on-site. Break, crush and bury empty containers at a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.
- 2) After spill or accident: Dispose of sealed containers at an approved local waste disposal site.

4.3 Fire/Explosion Hazards

4.30 Dangerous Decomposition or Combustion Products

Thermal decomposition:

Hazardous polymerisation will not occur.

Triflumuron undergoes thermal decomposition above 380 degrees C.

Hazardous decomposition products:

If involved in a fire: hydrogen chloride, hydrogen fluoride, hydrogen cyanide, carbon monoxide, and nitrogen oxides may be evolved.

Hazardous reactions:

Risk of dust explosion - dust explosion possible.

Impact sensitivity - >40 joule, ie., not impact sensitive.

4.31 Extinguishing media:

Sprayed water jet, foam, extinguishing powder, CO₂, sand.

4.32 Further information:

Special firefighting procedures:

Fight fire in early stages if safe to do so. Wear respiratory protection.

Well ventilated areas - full face mask with combination filter (offers no protection from carbon monoxide).

Enclosed premises - respirator with independent air supply.

Contain firefighting water. Do not permit firefighting water to enter drains and waterways if at all possible.

5. OTHER INFORMATION

5.10 Information on toxicity:

LD₅₀, oral, rat: >5000 mg/kg

LD₅₀, dermal, rat: >5000 mg/kg

Irritation to the skin/rabbit - slightly irritant.

Irritation to the mucous membranes/rabbit - non-irritant.

The effects of long term exposure to this formulation are not known. The active constituent has been shown to be non-mutagenic and non-carcinogenic in laboratory tests. There are no specific symptoms of triflumuron toxicity.

5.20 Information on ecological effects:

(active constituent)

Canary - LD₅₀ >1000 mg/kg

Bobwhite quail - LD₅₀ 561 mg/kg

Daphnia magna - EC₅₀ 0.23 mg/L (48 hours)

Rainbow trout - LC₅₀ 157 mg/L (96 hours)

Golden orfe - LC₅₀ >100 mg/L (96 hours)

Green algae - IC₅₀ >0.025 mg/L (96 hours, growth rate)

Octanol/water partition co-efficient Log Po/w 4.91.

Degradation of active constituent - half time:

tl/2: 960 days at pH4 (22 degrees C)

tl/2: 580 days at pH7 (22 degrees C)

tl/2: 11 days at pH9 (22 degrees C)

Triflumuron is a toxic hazard to juvenile aquatic and terrestrial arthropods.

5.30 FURTHER INFORMATION

No further information.

6. CONTACT POINT (for non-emergency calls)

6.10 Product safety coordinator of Bus.Group: ANIMAL HEALTH

6.20 Telephone Number: PH. (02) 9391-6000

DISCLAIMER

This Material Safety Data Sheet has been developed according to the WORKSAFE Australia/NOHSC Code of Practice.

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.

The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.

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The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product.

The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and / or its packaging is in compliance with relevant Federal, State and Local Government regulations.