

MATERIAL SAFETY DATA SHEET

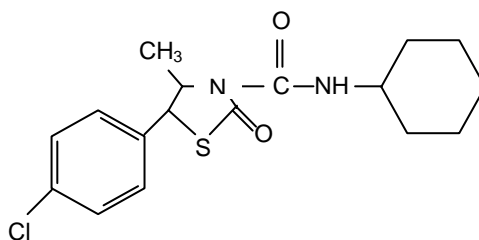
Introductory Details

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Date revised : 4 June 2008

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Hexythiazox 10% WP
Trade Name : NISSORUN 10% WP
Chemical Name : trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide
Chemical Formula : $C_{17}H_{21}N_2O_2SCl$
Molar Mass : 352.9
Chemical Family : Amide compound
Manufacturer's Code : -
Use : Acaricide
Structural Formula :



Hexythiazox

1.2 Company Identification

Manufacturer : Available upon request

Importer/Distributor

Name and Address : Agricultural Chemical (M) Sdn. Bhd.
962, Lorong Perusahaan 8, Taman Perindustrian Prai,
13600 Prai, Penang, Malaysia.
Telephone Number : 604-390 7988
Emergency Telephone Number : 604-390 7988

1.3 Contact Point

Designation : Ms. Cheong Wai Ching, Product Support Manager/
Mr. Ahmad Labib bin Yusof, Administrative Assistant
Tel. No. : 604-390 7988

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SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide	78587-05-0	10% w/w	No data available	Refer Section 11
Other Inert Ingredients	-	Balance		

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off white powder:
Odour : Sweet lignin like odour
Solubility : Negligible, but dispersible
Boiling Point : No data available
Melting Point (°C) : No data available
Vapour Pressure (mmHg at 25°C) : No data available
Percentage Volatiles : No data available
Evaporation Rate : No data available
Vapour Density : No data available
Specific Gravity : 0.15 - 0.25 g/cm³ (Bulk Density)
Flash Point : Not applicable
Autoignition Temperature : No data available
Flammable Limit (%) : No data available

SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation
Irritating to eyes

SECTION 5 : FIRST AID MEASURES

Ingestion : Wash out mouth with water. Get medical attention
Eye contact : Immediately flush with plenty of water for at least 15 minutes holding eyelids apart.
Skin contact : Remove all contaminated clothing and footwear. Wash skin thoroughly with soap and water.

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Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
Notes to Physician :
Poisoning symptoms : Irritation due to nuisance dust.

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media : Foam, CO₂, dry chemical or water.
Fire Fighting Instruction : Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.
Special Hazards : No data available

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill :
Sweep up spilled material and place in container for disposal. Wash the area with small amount of water and soap. Absorb with inert absorbent such as sand, clay, earth. Sweep up and place into the same container for disposal. Wash the contaminated area with large amount of water and drain to Wastewater Treatment Plant. Wear protective clothing when cleaning up spills

SECTION 8 : HANDLING AND STORAGE

Handling : Read the label before use. Wear pesticide respirator masks, protective gloves and clothing while handling.
Storage : Keep in original containers, tightly closed, and keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Avoid excessive dust formation.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit : No data available
Engineering Measures : Local exhaust ventilation
Personal Protection :
Respiratory Protection : Wear pesticide respirator masks,
Eye Protection : Goggles if there is risk of contact
Skin Protection : protective gloves and clothing while handling.

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SECTION 10 : STABILITY AND REACTIVITY

Conditions to Avoid : Direct sunlight, heat and extreme temperature.
Incompatibles : Strong oxidising agents
Decomposition Products : Carbon monoxide, sulfur oxides, nitrogen oxides and hydrogen chloride
Hazardous Polymerization : No data available

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicity Data :
Acute Oral LD₅₀ : (Rat) > 5,000 mg/kg
(Mouse) > 5,000 mg/kg
Acute Dermal LD₅₀ : (Rat) > 5,000 mg/kg
Inhalation LC₅₀ (4hr) : (Rat) 2.1 mg/kg
Carcinogenicity : No data available
Reproductive Effect : No data available
Effects of Overexposure : -
Eye Irritation : Mild
Skin Irritation : Negative
Skin Sensitisation : Negative
Chronic Effects : No data available
Target Organs : No data available
Medical Conditions Generally Aggravated by Exposure : No data available

SECTION 12 : ECOLOGICAL INFORMATION

Mobility & Bioaccumulation : No data available
Biodegradability : No data available
Aquatic Toxicity : No data available

SECTION 13 : DISPOSAL INFORMATION

Incinerate in accordance with local regulation.

SECTION 14 : TRANSPORT INFORMATION

Follow all regulations in your country. Follow the precaution indicated in the MSDS.

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SECTION 15 : REGULATORY INFORMATION

WHO

Class : IV
Pesticides Act :
Class : IV
CPL Regulations :
Class : Harmful
Risk Phrase : R20 Harmful by inhalation
R36 Irritating to eyes
Safety Phrase : S22 Do not breathe dust
S25 Avoid contact with eyes
S36 Wear suitable protective clothing
S38 In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 16 : OTHER INFORMATION

Reference :

- a. MSDS - Nissorun 10% WP, date : 6 - 3 - 2000
- b. Guidelines for The Classification of Hazardous Chemicals - DOSH 1997
- c. Guidelines for The Formulation of A Chemical Safety Data Sheet - DOSH 1997
- d. Guidelines for Labelling of Hazardous Chemicals - DOSH 1997

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.