

MATERIAL SAFETY DATA SHEET

Introductory Details

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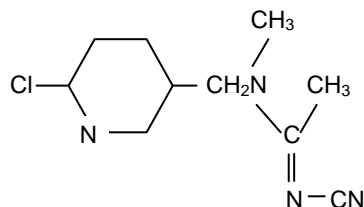
Date of preparation : 30 September 2005

Date revised : 11 June 2008

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Acetamiprid 20% WSC
Trade Name : MOSPILAN 20% WSC
Chemical Name : (E)-N¹-((6-chloro-3-pyridyl)methyl)-N²-cyano-N¹-methylacetamidine
Common Name : Acetamiprid
Chemical Formula : C₁₀H₁₁CIN₄
Molar Mass : 222.68
Chemical Family : Cyanomidine
Manufacturer's Code : NI-25
Use : Insecticide
Structural Formula :



Acetamiprid

1.2 Company Identification

Manufacturer : Available upon request

1.3 Contact Point

Designation : Ms Cheong Wai Ching, Product Support Manager /
En. 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
(E)-N ¹ -((6-chloro-3-pyridyl)methyl)-N ² -cyano-N ¹ -methyl acetamidine	135410-20-7	\$ 20 % w/w	Refer to Section 9	Refer to Section 11
Surface active agent	-	3 % w/w		
N-methyl-2-pyrrolidone	872-50-4	Balance		

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Pale yellow transparent liquid
Odour	: Odourless
Solubility	: Soluble in water
Boiling Point	: 202°C (as N-methyl-2-pyrrolidone)
Melting Point	: 24.4°C (as N-methyl-2-pyrrolidone)
Vapour Pressure	: 0.29 mmHg (38.7 Pa) at 20°C (as N-methyl-2-pyrrolidone)
Percentage Volatiles	: No data available
Evaporation Rate	: No data available
Vapour Density (air = 1)	: > 1 (4 as N-methyl-2-pyrrolidone)
Specific Gravity	: 1.08 at 20°C
Flash Point	: 98°C (Cleveland open cup method)
Autoignition temperature	: No data available
Flammable Limit (%)	: LEL 1.3%, UEL 9.5% (as N-methyl-2-pyrrolidone)

SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation

Irritating to eyes and skin

The product is not classified as a hazardous material in the IMDG Code.

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SECTION 5 : FIRST AID MEASURES

Ingestion : Do not induce vomiting. Wash out mouth with water and get immediate medical aid.

Eye contact : Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin contact : Remove contaminated clothing and wash skin thoroughly with soap and water.

Inhalation : Remove victim to fresh air. Get immediate medical attention.

Notes to physician : No data available

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media : Foam, dry chemicals, CO₂ or water spray.

Fire fighting instruction : Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.

Special hazards : Handle as a combustible liquid.

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill :

Wear protective clothing. Eliminate ignition source. Ventilate area. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

SECTION 8 : HANDLING AND STORAGE

Handling : Read the label before use. Wear pesticide respiratory masks, rubber gloves, goggles and clothing while handling. Do not breathe vapor. Avoid contact with eyes, skin and clothing (severe eye irritant). After handling, wash thoroughly with soap and water before eating, drinking or smoking and change to clean clothing.

Storage : Keep in original container, tightly closed, in a cool, dry, dark and well-ventilated place, out of reach of children. Keep away from heat, sparks and open flame (combustible liquid). Keep away from foodstuffs and animal feeds.

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Target organs : No data available
Medical Conditions Generally Aggravated by exposure : No data available

SECTION 12 : ECOLOGICAL INFORMATION

Mobility & Bioaccumulation : No data available
Biodegradability : Half life of degradation in river water on active ingredient is about
20 days
Aquatic Toxicity : No data available

SECTION 13 : DISPOSAL INFORMATION

Burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state and local laws concerning health and pollution.

SECTION 14 : TRANSPORT INFORMATION

Follow the precaution indicated in the storage and handling section. Follow all regulations in your country.

SECTION 15 : REGULATORY INFORMATION

Pesticides Act : Class II
CPL Regulations : Class - Harmful
Risk Phrases : R20 Harmful by inhalation
R36/38 Irritating to eyes and skin
Safety Phrases : S2 Keep out of reach of children
S9 Keep container in a well ventilated place
S25 Avoid contact with eyes
S 36/37/39 Wear suitable protective clothing, gloves and eyes/face protection

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SECTION 16 : OTHER INFORMATION

Reference : (a) Material Safety Data Sheet - Mospilan 20% SL
Date : Aug. 6, 1996

(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. Owing to the fact that this chemical (acetamiprid) has not been fully evaluated, due care should be exercised in handling it.