



# Safety Data Sheet

SDS No.:  
SDS-P/EC-M/01

Mospilan 3% EC

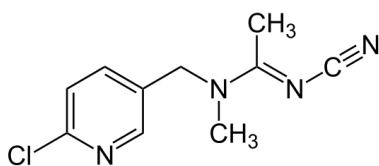
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## Section 1: Identification of the Hazardous Chemical and of the Supplier

### 1.1 Product Identifier

Product Name: Acetamiprid 3% EC  
Trade Name: Mospilan 3% EC  
Active Ingredient: *N*-[(6-chloro-3-pyridyl)methyl]-*N*'-cyano-*N*-methyl-acetamidine  
CAS No.(AI): 135410-20-7  
Structural Formula:



Recommended Usage: Insecticide

### 1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.  
962, Lorong Perusahaan 8  
Taman Perindustrian Perai  
13600 Perai , Pulau Pinang  
Malaysia  
Tel.: +6-04-3907988  
Fax: +6-04-3905703  
Web: [www.agrichem.com.my](http://www.agrichem.com.my)  
Emergency Phone: +6-04-3907988

## Section 2: Hazard Identification

Classification: Flammable liquid category 3  
Acute toxicity, inhalation category 3  
Acute toxicity, dermal category 4  
Skin irritation category 2  
Eye damage category 1  
Carcinogenic category 2  
Aspiration hazard category 1  
Specific target organ toxicity – single exposure category 3

Pictogram:



Signal Word: Danger



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## Hazard Statement:

H226	Flammable liquid and vapour
H331	Toxic if inhaled
H312	Harmful if in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H304	May be fatal if swallowed and enters airways.

## Precautionary Statement:

P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well ventilated area.
P260	Do not breathe mist / vapours
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.

## Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Acetamiprid	135410-20-7	3%	H226, H301, H330, H412
Blend of surfactant	-	<15%	H351
Solvent	Trade secret	<25%	H226, H302, H311, H332, H315, H318,
Xylene	1330-20-7	Balance	H226, H312, H332, H315, H319, H304

## Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	DO NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.
Symptoms:	Tremor, salivation, convulsion and mydriasis.
Notes to Physician:	Treatment is symptomatic.



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## Section 5: Fire-fighting Measures

- Suitable Extinguishing Media: Carbon dioxide (CO<sub>2</sub>), chemical foam, dry chemical, aqueous film forming foam
- Specific Hazard During Fire: Evolves carbon oxides, nitrogen oxides, hydrogen chloride gases.
- Special Protective Equipment: Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

- Personal Precautions: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
- Environmental Precautions: Avoid release to the environment.
- Method for Cleaning Up: Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. 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 7: Handling and Storage

- Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapours. Do not eat, drink or smoke when using this product. Avoid release to the environment.
- Conditions for Safe Storage: Store in a well ventilated place. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep container tightly closed.
- Incompatibles: Incompatible with strong oxidizing agents.

## Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit	
	Acetamiprid Technical	52315-07-8	No data	
	Solvent		TWA	25ppm (100mg/m <sup>3</sup> ) Skin
ACGIH	Xylene	1330-20-7	TWA	100ppm (434mg/m <sup>3</sup> )
			STEL	150ppm (651mg/m <sup>3</sup> )



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Engineering Control: Local exhaust ventilation  
Individual Protection Measure: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapours.  
Personal Protective Equipment:  
Eye Protection: Protective goggles  
Skin Protection: Face shield, nitrile rubber gloves and boots  
Respiratory Protection: Respirator

## Section 9: Physical and Chemical Properties

Appearance: Pale yellowish to pale brownish liquid  
Odour: Characteristic odour  
Odour Threshold: No data  
pH: 3 - 7 (10% Emulsion)  
Melting/Freezing Point: No data  
Initial Boiling Point: No data  
Boiling Range: No data  
Flash Point: 31°C  
Evaporation Rate: No data  
Flammability: Flammable liquid  
Upper Flammability Limit: No data  
Lower Flammability Limit: No data  
Vapour Pressure:  $< 1.0 \times 10^{-6}$  Pa (active ingredient)  
Vapour Density: No data  
Relative Density: 0.9  
Solubility in Water: Miscible with water  
Partition Coefficient  $P_{o/w}$ : No data  
Auto-ignition Temperature: No data  
Decomposition Temperature: No data  
Viscosity: No data

## Section 10: Stability and Reactivity

Reactivity: Combustion evolves carbon oxides, nitrogen oxides, hydrogen chloride gases  
Chemical Stability: The material is stable under normal storage condition  
Hazardous Reaction: No data  
Condition to Avoid: Direct sunlight, heat and extreme temperature  
Incompatible Material: Incompatible with strong oxidizing agents  
Hazardous Decomposition Product: No data



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## Section 11: Toxicological Information

### 11.1 Acute Toxicity

Component: Acetamiprid		
Ingestion, Oral LD <sub>50</sub> :		
	Rat (female)	146mg/kg
	Rat (male)	217mg/kg
Skin Contact, Dermal LD <sub>50</sub> :		
	Rat	> 2000mg/kg
Inhalation, LC <sub>50</sub> :		
	Rat	290mg/m <sup>3</sup> (4 hours)
Component: Solvent		
Ingestion, Oral LD <sub>50</sub> :		
	Mouse	1400mg/kg
Skin contact, Dermal LD <sub>50</sub> :		
	Rabbit	1mL/kg
Inhalation, LC <sub>50</sub> :		
	Rat	8000ppm (4 hours)
Component: Xylene		
	Ingestion, Oral LD <sub>50</sub> :	> 2000 - ≤ 5000mg/kg
	Skin Contact, Dermal LD <sub>50</sub> :	> 1000 - ≤ 2000mg/kg
	Inhalation, LC <sub>50</sub> :	>10.0 - ≤ 20.0mg/L

### 11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact:	Causes skin irritation
Eye Contact:	Causes serious eye damage
Inhalation:	May cause respiratory irritation
Ingestion:	Harmful if swallowed
Carcinogenicity:	Suspected of causing cancer
Mutagenicity:	No data available
Teratogenicity:	No data available

### 11.3 Symptoms

Tremor, salivation, convulsion and mydriasis

## Section 12: Ecological Information

### Ecotoxicity:

Component: Acetamiprid Technical		
Acute Toxicity:		
	Cyprinus carpio (Carp), LC <sub>50</sub> , 96hr	> 100mg/L
	Daphnia EC <sub>50</sub> , 24 hr	> 200mg/L
	Algae EC <sub>50</sub> , 72 hr	98.3mg/L
Component: Xylene		
Acute Aquatic Toxicity LL/EL/IL <sub>50</sub> :		
	Fish	> 1 - ≤ 10mg/L
	Aquatic crustacea	> 1 - ≤ 10mg/L



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	Algae/aquatic plants	> 1 - ≤ 10mg/L
	Microorganisms	> 100mg/L
Chronic Toxicity, NOEC/NOEL		
	Fish, 56 days	> 1mg/L
	Aquatic crustacea, 21 days	> 1mg/L


Persistence and Degradability: No data available  
Bioaccumulative Potential: No data available  
Mobility in Soil: No data available  
Other Adverse Effect: No data available

## Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam / authorized body by DOE.

## Section 14: Transportation Information

Land (ADR/RID)	
Proper Shipping Name	Pesticide, Liquid, Toxic, Flammable, N.O.S. flashpoint not less than 23°C
Hazard Class	6.1
Hazchem Code	-
UN number	2903
Packing Group	III
Label/Mark	6(3)
Sea (IMDG)	
Proper Shipping Name	Pesticide, Liquid, Toxic, Flammable, N.O.S. flashpoint not less than 23°C
Hazard Class	6.1
UN Number	2903
Packing Group	III
Marine Pollutant	-
Label	6(3)
Transport Document Name	-
Air (IATA)	
Proper Shipping Name	Pesticide, Liquid, Toxic, Flammable, N.O.S. flashpoint not less than 23°C
Hazard Class	6.1
UN number	2903
Packing Group	III
Label/Mark	6(3)
Transport Document Name	-

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### Section 15: Regulatory Information

Classification: Flammable liquid category 3  
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 Skin irritation category 2  
 Eye damage category 1  
 Carcinogenic category 2  
 Aspiration hazard category 1  
 Specific target organ toxicity – single exposure category 3

Signal Word: Danger

Pictogram:



Pesticides Act: Class III  
 Classification: Harmful

### Section 16: Other Information

Date of Preparation: 7 October 2015  
 Date of Revision: -  
 Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014  
 GHS Purple Book  
 MSDS

Disclaimer: 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.