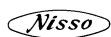


Section 1 Chemical Product and Company Identification				
Product Name	ACETAMIPRID 20SP			
Chemical Name	Water soluble powder containing Acetamiprid as active ingredient			
Primary Use	Insecticide for agricultural use			
Distributor	Name			
	Address			
	TEL. No.		Fax No.	
Manufacturer	Name	Nippon Soda Co., Ltd.		
	Address	2-1, Ohtemachi 2-Chome, Chiyoda-ku, Tokyo 100-8165, Japan		
	TEL. No.	+81-3-3245-6041	Fax No.	+81-3-3245-6287
Emergency	TEL. No	+1-800-424-9300(CHEMTREC)	Fax No.	
Date Prepared	June 11, 2010		Date Revised	

Section 2 Hazardous Identification			
Route of Entry	Skin : yes	Inhalation : yes	Ingestion : yes
Emergency Overview	Light blue fine powder without any odor. Stable in normal condition. May be harmful if swallowed.		
Potential Health Effects			
Eye	Negative		
Skin	Negative		
Inhalation	Not available.		
Ingestion	May be harmful if swallowed.		
Signs and Symptoms	Not available.		
Chronic	Not available.		
Target Organs	Not available.		
Other Comments	None		

Section 3 Composition/Information on Ingredient				
Component	% (wt.)	Exposure Limits		
		OSHA PEL	ACGIH TLV	Specified Other Limit
Active ingredient (E)-N ¹ -[(6-chloro-3-pyridyl)methyl]-N ² -cyano-N ¹ -methylacetamidine (CAS No. 135410-20-7) (ISO Name, Acetamiprid)	20	Not listed.	Not listed.	None
Additive (Surfactants)	5	Not listed.	Not listed.	None
Carrier	75	Not listed.	Not listed.	None

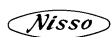


Section 4 First Aid Measures	
Eye	Immediately flush eyes with plenty of water for at least 15min. Get medical advice if irritation persists.
Skin	Wash skin with soap and water while removing contaminated clothing and shoes.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician.
Ingestion	Induce vomiting immediately, as directed by a physician. Wash out mouth with water. Never give anything by mouth to an unconscioua person. Call a physician.
Note to Physicians	Not known.

Section 5 Fire Fighting Measures	
Flammable Properties	Not flammable.
Unusual Fire & Explosion Hazards	Thermal decomposition or combustion may produce harmful and irritant gas/fume such as CO, NOx., hydrogen chloride and organic compounds.
Extinguishing Media	Water spray, foam, dry chemicals, carbon dioxide.
Fire Fighting Instructions	Protective equipment Wear self-contained breathing apparatus and complete personal protective equipment. Fire-Fighting procedure Move containers away from fire area if it can be done without risk. If impossible to remove containers from fire zone, cool them with water spray.

Section 6 Accidental Release Measures	
Protective equipment	Wear personal protective equipment. Refer to Section 8 for personal protective equipment.
Personal precaution	Avoid raising dust.
Environment precaution	Prevent from releasing it to the environment.
Cleaning procedure	Obey all Federal, State or local regulations for health & safety and environmental protection when the accidental release is treated. Sweep up, place in a bag and hold for waste disposal. Wash spill site with soap and plenty of water after material pick-up is complete. Do not discharge to river, sea, lake, waterway or sewer systems directly.

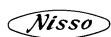
Section 7 Handling and Storage	
Handling	Wear personal protective equipment. Refer to Section 8 for personal protective equipment. Handle as an organic dust. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use only in a well ventilated areas, or chemical fume hood. Wash thoroughly after handling. Keep out of the reach of children.
Storage	Keep in container tightly closed. Store in a cool dry place. Protect from direct contact with water or excessive moisture, acids or bases.



Section 8 Exposure Control/Personal protection			
Specific Engineering Controls	Use general and/or local exhaust ventilation to control dusts.		
Personal Protection Equipment			
Respiratory	Appropriate respirator for dust.	Gloves	Outside: Polyvinyl chloride, Polyethylene or Rubber. Inside: Cotton , rayon.
Eye/Face	Use safety glasses. If there is a potential to exposure for dust, wear safety goggles.	Footwear	Working shoes with socks.
Clothing	Working cloths with long sleeves and long pants.	Others	None

Section 9 Physical and Chemical Properties			
Appearance	Light blue fine powder.	Odor	Odorless
Density	Not applicable.	Bulk Density	Ca 0.35 g/cm ³ (loose)
Melting Point	Not applicable.	Boiling Point	Not available.
Vapor Density (air=1)	Not applicable.	Vapor Pressure	Not available.
Evaporation Rate (Ethyl acetate=1)	Not applicable.	pH	7.0–9.0 at 1 wt/wt% dilution in water.
Solubility in water	Approximately 2 wt/wt%.	Solubility in solvent	Not available.
Log Po/w	Not available.		
Flash Point	Not applicable.	Autoignition Temp.	Not applicable.
Explosive Limit	Lower limit	Not available.	Upper limit
			Not applicable.

Section 10 Stability and Reactivity			
Chemical Stability	Stable	x	<u>If unstable, condition to avoid unstable reaction.</u> Stable in normal conduction.
	Unstable		
Hazardous Polymerization	May occur	x	<u>If polymerization may occur, condition to avoid it.</u>
	Will not occur		
Reactivity	May react with strong oxidizing agents.		
Incompatible materials	Oxidizing agents, strong acids or bases.		
Hazardous Decomposition Product	CO, nitrogen oxides, hydrogen chloride, organic compounds such as aromatic compounds.		
Others	Avoid high temperature.		

**Section 11. Toxicological Information**

Effect of Acute Exposure

Acute Toxicity

Oral	LD ₅₀ (rat)	1065mg/kg(male, female)
Dermal	LD ₅₀ (rat)	>2000 mg/kg(male)
Inhalation	LC ₅₀ (rat)	>3.5mg/L(4hr)

Subacute Toxicity(as active ingredient)

90-days-repeated dose toxicity test.

NOEL(rat) : 12.4mg/kg/day(male), 14.6mg/kg/day(female)

Sensitization

Non-sensitizing(guinea pig)

Mutagenicity
(as active
ingredient)Ames test :
NegativeUDS test :
Negative

Chromosomal aberration test:

Positive (in vitro), Negative (in vivo)

Micronucleus test :

Negative

Carcinogenicity : Negative (rat, mouse)

(as active
ingredient)

NTP : Not available.

IARC Monograph: Not available.

ACGIH Regulated: Not available.

Others None

Section12 Ecological Information

Mobility:

Not available

Persistence and degradability:(Active ingredient)

Bio-degradation : Not readily degradable.

Degradation in soil : Readily degradable.

Bio-accumulative potential:

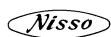
No data is available, but the active ingredient is estimated to be low bio-accumulative because of low partition coefficient.

Ecological Toxicity

Acute Toxicity to aquatic organisms

Acute Toxicity to Fish LC₅₀(carp) : >100mg/L(96hr)Acute Toxicity to Daphnia EC₅₀(daphnia magna) : >159mg/L(48hr)Acute Toxicity to Algae EC₅₀(green algae) : >97.8mg/L(72hr)**Section 13 Disposal Considerations**

- 1) Mix the material with sawdust or combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- 2) Do not discharge into waterway or sewer systems unless permission has been obtained by the local authority and suitable dilution has been established.
- 3) Contaminated empty containers must be disposed of as chemical waste.
- 4) Obey all Federal, State and local regulations concerning health & safety and environmental protection.

**Section 14 Transport Information**

International marine transportation(IMDG)

This product is not classified as dangerous goods in IMDG Code.

Marine pollutant: Not applicable.

ICAO/IATA Dangerous Goods Regulations

This product is not classified as dangerous goods in ICAO/IATA-DGR.

DOT Regulations

This product is not classified as dangerous goods in DOT Regulations.

Section 15 Regulatory Information

TSCA	Not applicable(pesticide).(CAS No. 135410-20-7)
OSHA	Not listed.(CAS No. 135410-20-7)
SARA	Not listed.(CAS No. 135410-20-7)
CERCLA	Not listed.(CAS No. 135410-20-7)
Others	None

Section 16 Other Information

Label Information

NFPA Rating : Health ; **1** Flammability; **1** Instability; **0**

Regulatory Information in other area

ENCS(JAPAN)	Not applicable(pesticide).(CAS No. 135410-20-7)
EINECS(EU)	Not applicable(pesticide).(CAS No. 135410-20-7)
DSL(Canada)	Not applicable(pesticide).(CAS No. 135410-20-7)
IECSC(China)	Listed.(CAS No. 135410-20-7)

Revised Information

This MSDS was prepared according to ANSI Z400.1-2003

: This information is taken from sources or based upon data believed to be reliable. :
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