

Safety data sheet in accordance with Regulation (EC) No 1907/2006

Prepared: March 17, 2006

Version : 7 Revised: May 7, 2014

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Acetamiprid 20SP

1.2 Relevant identified uses of the substance or mixture and use advised against

Insecticide for agricultural use

1.3 Details of the supplier of the safety data sheet

1) Contact Name : Nisso Chemical Europe GmbH

Address : Berliner Allee 42

40212 Düsseldorf

Germany

Telephone Number : +49-(0)211-130 66 86 0

Telefax Number : +49-(0)211-328231

Email: : sds@nisso-chem.de

2) Manufacturer's Name : NIPPON SODA Co., Ltd.

Address : 2-1, Ohtemachi 2-Chome, Chiyoda - ku, Tokyo 100-8165, JAPAN

Telephone Number : +81-3-3245-6041

Telefax Number : +81-3-3245-6287

E-Mail Address : ml-sds@hon1.nippon-soda.co.jp

1.4 Emergency Telephone Number: CHEMTREC +1-703-741-5970 (24-hour)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox.4 H302 Harmful if swallowed

Aquatic Acute 1 H400 Very toxic to aquatic life

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects

EUH 401 To avoid risks to human health and the environment, comply with the instructions for use.

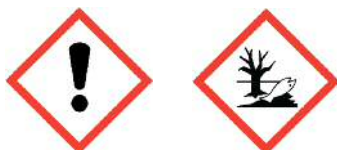
Classified as dangerous according to Directive 1999/45/EC

Hazard Symbol: Xn; Harmful

R - Phrases: R22 Harmful if swallowed

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008



Hazard pictogram

GHS07, GHS09

Signal word Warning

Hazard statement

- H302 Harmful if swallowed
- H410 Very toxic to aquatic life with long lasting effects
- EUH 401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement

- P264 Wash hands and face thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local/national/international regulations.
- SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

2.3 Other hazards

This product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex X III.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable.

3.2 Mixtures

CAS No.	EC No.	Index No. / REACH Registration number	% (wt)	Substance name	Classification according to Directive 67/ 548/EC	Classification according to Regulation (EC) No 1272/2008 (CLP)
135410-20-7	Not applicable (pesticide)	608-032-0 0-2	20.2	(E)-N ¹ - [(6-Chloro-3-pyridyl) methyl]-N ² -cyano-N ¹ - methylacetamidine (ISO name: Acetamiprid)	Xn; R 22 R 52/53	Acute Tox.4; H302 Aquatic Chronic 3; H412
90194-45-9	290-656-6	—	2.4	Benzenesulfonic acid, mono-C10-13-alkyl derivs., sodium salts	Xn; R 22-38-41	Acute tox.4; H302, Skin irrit.2; H315 Eye Dam.1; H318
—	—	—	77.4	Additives (surfactants and etc.)	—	—

4. FIRST AID MEASURES

4.1 Description of first aid measures

- 4.1.1 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.
- 4.1.2 Skin Contact: Remove contaminated clothing and shoes, and wash with plenty of water and soap. If skin

irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

4.1.3 Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

4.1.4 Ingestion: Rinse mouth. Do Not induce vomiting. Call a POISON CENTER/doctor if your feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

No specific antidote. Supportive care. Treatment based on judgment of physician in response to symptoms of Patient.

5. FIRE - FIGHTING MEASURES

5.1 Extinguishing media : Dry chemicals carbon dioxide, foam or water spray.

Unsuitable extinguishing media : Not known.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, hydrogen chloride and nitrogen oxides.

5.3 Advice for firefighters

Protective equipment : Wear self-contained breathing apparatus and complete personal protective equipment.

Other information : Move containers away from fire areas if it can be done without risk. If impossible to remove containers from fire zone, cool them with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Refer to Section 8 for personal protective equipment.

Keep away from all ignition sources. Avoid contact with skin, eyes and clothing.

Avoid breathing dust.

6.2 Environmental precautions

Do not discharge treated water to river, sea, lake, waterway etc. directly without the authority's approval because this product is very toxic to aquatic organisms.

6.3 Methods and material for containment and cleaning up

Obey Federal, State or local regulations for health & environmental protection when accidental spill is treated.

(large quantities) Remove with vacuum truck.

Wash spill site with soap and plenty of water after material pick-up is complete.

(small quantities) Remove with inert absorbent (e.g. sand or vermiculite), and place in a close containers and hold for waste disposal. Wash pill site with soap and plenty of water after material pick-up is complete.

6.4 Reference to other sections

Section 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Refer to Section 8 for personal protective equipment.

Keep out of the reach of children.

Avoid contact with eyes, skin and clothing.

Do not breathe dust.

Wash hands and face thoroughly after handling.

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Store in a cool, dry, well-ventilated place.

Avoid direct contact with water, acids or base.

Avoid release to the environment during storage by spill collection using leakage trays, pans, etc.

7.3 Specific end use

Insecticide for agricultural use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters : Active ingredient : TLV/ACGIH Not listed.

8.2 Exposure controls : It is desirable to use general and/or local exhaust ventilation to control atmosphere in work area. Provide safety showers and eyewashes.

8.2.1 Appropriate engineering controls

Use general and/or local exhaust ventilation to control dust.

Provide safety showers and eyewashes.

8.2.2 Individual protection measures, such as personal protective equipment

(a) Eye protection : Use safety goggles.

(b) Skin protection : Wear suitable working wear, gloves and boots.

Hand protection : Protective gloves against chemicals and micro-organisms.

Gloves materials: e.g. outside Rubber, Vinyl chloride resin
inside Cotton, Rayon

(c) Respiratory protection: Wear suitable respirator for dust.

(d) Thermal hazards : None

8.2.3 Environmental exposure controls :

Use general and/or local exhaust ventilation to control dust.

Provide safety showers and eyewashes.

Prevent from entering into drains, ditches or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light blue, solid powder.
Odor	No detectable odor
pH	> 4 but < 10
Melting Point	Not applicable.
Boiling Point	Not applicable.
Flash Point	Not applicable.
Evaporation Rate (Butyl Acetate=1)	Not available.
Flammability	This product doesn't have auto flammability in normal condition.
Upper/lower flammability limit	Not available.
Vapor Pressure	Not applicable.
Vapor Density (air=1)	Not applicable.
Relative Density	Tap density: 0.80 g/mL
Specific Gravity (H ₂ O=1)	Not applicable.
Solubility in water	Soluble.
Partition Coefficient n-Octanol/H ₂ O	Log Po/w = 0.79 (as active ingredient)
Auto-Ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not applicable
Explosive properties	This product has no danger of explosion. (Guideline 92/69/EEC, A.14)
Oxidizing properties	This product has no oxidizing properties. (Guideline 92/69/EEC, test A.17)

9.2 Other information

Dust Explosive Properties	Not available.
Surface Tension	32 mN/m at 20°C (as 1% aqueous dispersion)
Particle Size Distribution	Not available

10. STABILITY AND REACTIVITY

10.1 Reactivity

The specific test data of the reactivity hazards is not available. But this product is stable under normal storage and handling conditions. Incompatible materials are referred to 10.5.

10.2 Chemical stability

Stable under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Condition to avoid

High temperature.

10.5 Incompatible materials

Strong oxidizing agents, strong acids or bases.

10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides, hydrogen chloride and organic compounds.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute toxicity

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

(b) skin corrosion/irritation

Dermal (rabbit):	Not irritant.
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(c) serious eye damage/irritation

Eye (rabbit):	Not irritant.
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(d) respiratory or skin sensitization;

Dermal (guinea pig):	Non-sensitising
Respiratory:	Not available.

(e) germ cell mutagenicity:

For the Product	Not available.
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active ingredient

Ames test:	Negative
Chromosome aberration test:	Positive
Micronucleus test(mouse):	Negative
UDS study:	Negative

(f) carcinogenicity:

For the Product	Not available.
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active ingredient

Negative(rat)
Negative (mouse)

(g) reproductive toxicity:

For the Product	Not available.
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active ingredient

Negative (rat)

(h)STOT-single exposure:	Not available.
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(i)STOT-repeated exposure:	Not available.
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(j)aspiration hazard:	Not available.
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(k) Others

For the Product	Not available.
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active ingredient

Teratogenicity

Negative (rat)
Negative (rabbit)

Chronic Toxicity

NOAEL (rat):	7.1 mg/kg/day(male), 8.8 mg/kg/day(female) (2 years)
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NOAEL (mouse):	20.3 mg/kg/day(male) , 25.2kg/day(female) (1.5years)
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12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute Toxicity for Fish(Carp):	LC ₅₀ : > 100mg/L (96hr)
Acute Toxicity for Daphnia (Daphnia Magna):	EC ₅₀ : > 159 mg/L (48hr)
Acute Toxicity for Chironomus (<i>Chironomus riparius</i>):	EC ₅₀ : 0.0981 mg/L (48hr)
Acute Toxicity to Algae (<i>Scenedesmus subspicatus</i>):	ErC ₅₀ : > 97.8mg/L (72hr)
	NOEC 97.8 mg/L (72hr)

12.2 Persistence and degradability

For the Product Not available.

active ingredient

Not readily biodegradable.

12.3 Bioaccumulative potential

For the Product Not available.

active ingredient

This substance is not bioaccumulative.

12.4 Mobility in soil: Not applicable

12.5 Results of PBT and vPvB assessment: This product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex X III.

12.6 Other adverse effects: Not available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- 1) Waste disposal according to 91/689/EEC in the corresponding versions (hazardous waste).
- 2) Consider classifications (European waste catalogue) 02 01 or 07 04.
- 3) Consult the appropriate local authorities about special requirement.
- 4) Dispose of contents/container in accordance with local/national/international regulations.

14. TRANSPORT INFORMATION

14.1 IMDG

UN No.	3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N. O. S. (Acetamiprid mixture)
Hazard Class	9
Packing group	III
Marine pollutant	Applicable

14.2 RID/ ADR

UN No.	3077
Name and description	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N. O. S. (Acetamiprid mixture)
Class	9
Packing group	III
Hazard Identification No.	90
Marine pollutant	Applicable

14.3 ICAO/IATA-DGR

UN No.	3077
Class	9
Proper shipping name	Environmentally hazardous substance, solid, n. o. s. (Acetamiprid mixture)
Packing group	III
Marine pollutant	Applicable

14.4 Special precautions for use

None

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

The product is regulated under the EU Directive(s) or Regulation(s) on plant protection products since it is one of plant protection products.

National regulatory information

Water Hazard Class (Germany): WGK 1

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

16.1 Added, deleted or revised information

16.1.1 This safety data sheet is revised in accordance with Regulation (EC) No 1907/2006.

16.1.2 Added, deleted or revised information

Section 1: Emergency Telephone Number was changed.

Section 2: Classification according to Regulation (EC) No 1272/2008 was added. Label elements were changed according to Regulation (EC) No 1272/2008. Supplementary Phrase SP1 according to Commission Regulation (EU) No 547/2011 was added to label elements in section 2.2.

Section 7: 'Avoid release to the environment during storage by spill collection using leakage trays, pans, etc.' was added.

Section 9: pH was amended from 8.4-8.6 (1% soln.) to > 4 but < 10. Endpoints were added for sake of completeness.

Section 12: Acute Toxicity data for Chironomus was added. Chronic Toxicity data for Algae was added.

Section 14: UN3077 was given. Marine pollutant was changed 'not applicable' to 'applicable'.

16.2 List of relevant R-phrases, hazard statements contained in Section 2 to 15 of this document (for information only)

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H302 Harmful if swallowed

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

EUH401 To avoid risks to human health and the environment, comply with the instructions

16.3 References

None
