

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

 Version: 2.4
 Revision Date 16.02.2011

Print Date 17.02.2011

AGITA 10 WG

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

Identification of the substance or mixture

Substance No. : 000070000019
 NAH Substance Code : A-11234 A
 Trade name : AGITAGARD 10 WG
 AGITA 100 PLUS
 AGITA 10 WG

Company : Novartis Animal Health Inc.
 Schwarzwaldallee 215
 CH - 4058 Basel
 Switzerland

Telephone : +41616971111
 Contact person : Phone (office hours) +41 61 697 30 65
 E-mail address : msds.nah@novartis.com

Emergency information

Emergency telephone number : **Phone (24 h) +41 61 696 33 33**
 Emergency information : concerning transport see emergency phone number in the shipping documents
 concerning storage see emergency phone number of local Novartis organization

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Potential health effects : No hazards to be specially mentioned.
 Potential environmental effects : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Use : Insecticide
 Type of preparation : Water dispersible granules
 Active ingredient : CGA 293343 Thiamethoxam

Hazardous components

Identification	CAS-No.	Symbol(s) Hazard pictograms	R-phrase(s) Hazard statements	Concentration (% w/w)
Thiamethoxam	153719-23-4	Xn, N	R22, R50/53	10.00

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling.
 Inhalation : Move to fresh air.
 Skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
 Eye contact : Rinse eyes with clean water for several minutes and immediately call a physician.
 Ingestion : If swallowed, seek medical advice immediately and show this container or label.
Notes to physician
 Poisoning Symptoms : No case of human poisoning is on record.
 Antidote : No specific antidote is known! Apply symptomatic therapy.

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5. FIRE-FIGHTING MEASURES

- Combustibility : yes
 Suitable extinguishing media : Dry powder, foam, carbon dioxide (CO₂) or water spray (do not use water jet).
 Special protective equipment for fire-fighters : Wear personal protective equipment. In the event of fire, wear self-contained breathing apparatus.
 Further information : Exposure to decomposition products may be a hazard to health. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 Swiss Fire Prevention Code : F4 S CO PN1

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Refer to protective measures listed in sections 7 and 8.
 Do not flush into surface water or sanitary sewer system.
 Pick up and transfer to properly labelled containers.
 Knock down dust with water spray jet.
 Dispose of in an incinerator approved for chemicals.
 Treat contaminated surfaces with water.
 Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dig out.
 Spilled product cannot be used further and must be disposed of.
 If safe disposal is not possible, contact the manufacturer, the dealer or the local representative.
- Additional advice : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

7. HANDLING AND STORAGE

Handling

- Safe handling advice : Avoid dust formation.
 Avoid contact with skin, eyes and clothing. Avoid breathing dust.
 Smoking, eating and drinking should be prohibited in the application area.
 In addition to the measures taken usually in the chemical works like dustproof filling and measuring equipment (including dust extraction), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage

- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
- Novartis storage class : 9
- Storage temperature : min. 2 °C - max. 30 °C
- Other data : Store the product in closed original containers.
 Protect from light and humidity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Identification	CAS-No.	Exposure limit(s)	Notes
Thiamethoxam	153719-23-4	3 mg/m ³	Suppliers recommendation. 8 h TWA

- Protective measures** : The use of technical measures should always have priority over the use of personal protective equipment.

Personal protective equipment

Open handling

- Respiratory protection : Effective dust mask.
- Hand protection : Chemical-resistant gloves

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|--------------------------|---|--|
| Eye protection | : | Safety glasses |
| Skin and body protection | : | Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). |
| Measures after work | : | Shower or bathe at the end of working.
Change clothing.
Thoroughly clean protective gear.
Thoroughly clean contaminated equipment with soap or soda solution. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | |
|--------------------------|---|---|
| Form | : | solid, granular |
| Colour | : | white - beige |
| Odour | : | odourless |
| Bulk density | : | 0.5 - 0.7 g/cm ³ |
| pH | : | 6.8 - 8.8 pH (media): in deionised water - 1 % |
| Miscibility with water | : | miscible |
| Oxidizing properties | : | not oxidizing |
| Flammability | : | not highly flammable
Method: Flammability (solids) |
| | : | no evolution of gas
Method: Flammability (contact with water) |
| Autoignition temperature | : | Remarks: not self-heating |
| Ignition temperature | : | Relative self-ignition temperature for solids: not detected
Method: Tested according to Directive 92/69/EEC. |
| Impact Sensitivity | : | not explosive
not friction sensitive
not shock sensitive |

10. STABILITY AND REACTIVITY

- | | | |
|---------------------|---|---------------------------------|
| Hazardous reactions | : | thermally not sensitive |
| Chemical Stability | : | Stable under normal conditions. |

11. TOXICOLOGICAL INFORMATION

- | | | |
|---------------------------|---|--|
| Acute oral toxicity | : | LD50 > 5,000 mg/kg
Species: rat
Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : | LC50 > 20,000 mg/m ³
Species: rat
Exposure time: 4 h
Derived from the active ingredient(s) |
| Acute dermal toxicity | : | LD50 > 2,000 mg/kg
Species: rat
Method: OECD Test Guideline 402 |
| Skin irritation | : | No skin irritation
Species: rabbit
Method: OECD Test Guideline 404 |

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- Eye irritation : No eye irritation
 Species: rabbit
 Method: OECD Test Guideline 405
- Sensitisation : not sensitizing
 Species: guinea pig
 Method: OECD Test Guideline 406

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish : LC50 > 100 mg/l
 Species: Salmo trutta (trout)
 Exposure time: 96 h
 Remarks: Derived from the active ingredient(s)
- Toxicity to daphnia : EC50 > 100 mg/l
 Species: Daphnia magna (water flea)
 Exposure time: 48 h
 Remarks: Derived from the active ingredient(s)
- : LC50 ca. 69 mg/l
 Species: Mysidopsis bahia (bay shrimp)
 Exposure time: 96 h
 Remarks: Derived from the active ingredient(s)
- : EC50 ca. 0.14 mg/l
 Species: Cloeon sp.
 Exposure time: 48 h
 Remarks: Derived from the active ingredient(s)
- Toxicity to algae : ERC50 > 100 mg/l
 Species: Selenastrum capricornutum (green algae)
 Exposure time: 72 h
 Remarks: Derived from the active ingredient(s)

Behaviour in environmental compartments

Elimination information (persistence and degradability)

- Biodegradability : Not readily biodegradable.
 Remarks: Derived from the active ingredient(s)

13. DISPOSAL CONSIDERATIONS

- Product : Refer to protective measures listed in sections 7 and 8. Pick up and transfer to properly labelled containers. Dispose of in an incinerator approved for chemicals. In accordance with internal, local and national regulations. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative.
- Contaminated packaging : Check possibilities of recycling large empty containers, drums and barrels. Damaged Containers: Place original containers in specially marked larger ones. Dispose of empty containers in an incinerator approved for chemicals. In accordance with internal, local and national regulations.

14. TRANSPORT INFORMATION

- Transport Condition : Transport + intermediate storage <=40°C

ADR/RID

- UN number : 3077
 Class : 9
 Packaging group : III
 Labelling No. : 9 E
 Hazard identification No : 90
 CEFIC No. : 90GM7-III
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID,N.O.S.
 Additional Information : (THIAMETHOXAM)

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IMDG

UN number : 3077
 Class : 9
 EmS : none
 Packaging group : III
 Labelling No. : 9 E
 Marine pollutant : Marine pollutant
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID,N.O.S.
 Additional Information : (THIAMETHOXAM)

ICAO/IATA

UN number : 3077
 Class : 9
 Packaging group : III
 Labelling No. : 9 E
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID,N.O.S.
 Additional Information : (THIAMETHOXAM)

Postal delivery - Switzerland : 3 restricted "Limited Quantities"

15. REGULATORY INFORMATION

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Labelling



Hazardous components : Thiamethoxam
 Symbol(s) : N Dangerous for the environment
 R-phrases) : R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 S-phrases(s) : S 2 Keep out of the reach of children.
 : S46 If swallowed, seek medical advice immediately and show this container or label.
 : S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

National legislation

Weight limit (Switzerland - StFV) : 2,000 kg

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R22	: Harmful if swallowed.
R50/53	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.