AGITA 1 GB

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

Product information
- Substance No.: 0000070000068
- NAH Substance Code: A-12339 A
- Trade name: AGITA 1
- Technical denomination: CGA293343 GB 1
- Company: Novartis Animal Health Inc.
  Schwarzwaldallee 215
  CH - 4058 Basel
  Switzerland
- Telephone: +41 61 697 1111
- Contact person: Phone (office hours) +41 61 697 30 65

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. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature
- Use: insecticide
- Formulation type: Granular bait
- Active ingredient: CGA 293343 Thiamethoxam

Hazardous components

<table>
<thead>
<tr>
<th>Denomination</th>
<th>CAS-No.</th>
<th>Symbol(s):</th>
<th>R-phrase(s):</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiamethoxam</td>
<td>153719-23-4</td>
<td>Xn, N</td>
<td>R22, R50/53</td>
<td>1.00</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment
- Health hazards: No hazards to be specially mentioned.
- Environmental hazard in case of accident (Spillage/Leakage): Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. IN CASE OF SUSPECTED POISONING: Immediately call a physician.
- Inhalation: Immediately remove to fresh air.
- Skin contact:Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.
- Eye contact: Rinse eyes with clean water for several minutes.
- 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.
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: Use self contained breathing apparatus. Wear personal protective equipment.
Further information: Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
Swiss Fire Prevention Code: F4 S PN2

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Pay attention to protective clothing and safety measures.
Do not contaminate waters and sewers.
Collect material in specially marked, tightly closing containers.
Dampen solid material carefully to prevent it being blown away.
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 dugged 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: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

7. HANDLING AND STORAGE

Handling
Safe handling advice: Avoid contact with skin, eyes and clothing.
Avoid inhalation of dust.
Do not eat, drink or smoke while working.
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: Store separately from feed, food and stimulants.
Novartis storage class: 9
Max. Storage temperature: 30 °C
Min. Storage temperature: -10 °C
Other data: Store the product in closed original containers. Protect from light and humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment
Respiratory protection: Effective dust mask.
Hand protection: Chemical-resistant gloves
Eye protection: safety glasses
9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid, granular
Colour : yellow
Odour : odourless
Bulk density : 0.5 - 0.7 g/cm³
pH : 5.5 - 8.5  pH (media): in distilled water, 1 %
Flash point : Remarks: Not applicable.
Oxidizing properties : not oxidizing
Flammability : not highly flammable
Method: Flammability (solids)
no evolution of gas
Method: Flammability (contact with water)
Ignition temperature : Remarks: 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

Chemical Stability : Stable under normal conditions.
Assessment : thermally not sensitive

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD₅₀ > 5,000 mg/kg
Species : rat
Remarks: Derived from the active ingredient(s):

Acute inhalation toxicity : LC₅₀ > 20,000 mg/m³
Species : rat
Exposure time: 4 h
Remarks: Derived from the active ingredient(s):

Acute dermal toxicity : LD₅₀ > 5,000 mg/kg
Species : rat
Remarks: Derived from the active ingredient(s):

Skin irritation : non irritant
Species : rabbit
Remarks: Derived from the active ingredient(s):

Eye irritation : non irritant
Species : rabbit
Remarks: Derived from the active ingredient(s):
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)

- EC50 1.4 mg/l
  - Species: Cloeon sp.
  - Exposure time: 48 h
  - Remarks: Derived from the active ingredient(s)

- LC50 > 100 mg/l
  - Species: Mysis breda (bay shrimp)
  - Exposure time: 96 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
- Pay attention to protective clothing and safety measures. Collect material in specially marked, tightly closing containers. Dispose of in an incinerator approved for chemicals. 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
- Dispose of empty containers in an incinerator approved for chemicals. Damaged Containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. TRANSPORT INFORMATION

ADR/RID

- UN-No: 3077
- Class: 9
- Packaging group: III
- Labelling No.: 9
- HI No.: 90
- CEFIC No.: 90GM7-III
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- Additional Information: (THIAMETHOXAM)
- Limited quantity: LQ27
15. REGULATORY INFORMATION

labelling according to EEC Directive

Hazardous components : Thiamethoxam
Symbol(s) : N Dangerous for the environment
R-phrase(s) : R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s) : S 2 Keep out of 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) as prescribed by accident regulations : 200,000 kg

16. OTHER INFORMATION

R-phrase(s) (Text of R phrases mentioned in Section 2)
R22 : Harmful if swallowed.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.