NEPOREX 2 WDG

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Substance No. : 000070000162
NAH Substance Code : A-6352 B
Trade name : NEPOREX 2 WDG
LARVEX
LARVEX wasserlösliche Beutel
NEPOREX 2 SG wasserlösliche Beutel
LARVEX Water Soluble Bag
NEPOREX 2 SG Water Soluble Bag
APTAOR L
NEPOREX 2 SG
Product name : CGA72662 SG 2%
Type of preparation : Water soluble granules
Active ingredient : CGA 72662; Cyromazine

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

Use : Insecticides, acaricides and products to control other arthropods

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

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

classification not required ---

2.2 Label elements

Labelling according to Regulation (EC) No. 1907/2006

Hazard pictograms : not required

Labelling according to EC Directives 67/548/EEC or 1999/45/EC
Symbol(s) : not required
NEPOREX 2 WDG

SAFETY DATA SHEET

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Identification</th>
<th>CAS-No.</th>
<th>Classification 67/548/EEC</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyromazine</td>
<td>66215-27-8</td>
<td>Xn, R22</td>
<td>Acute Tox. 4 (oral) H302</td>
<td>2.00</td>
</tr>
</tbody>
</table>

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice: If you feel unwell, seek medical advice (show the label where possible).
Inhalation: Move to fresh air. Consult a physician if any symptoms develop and persist.
Skin contact: Wash off with soap and water.
Eye contact: Rinse immediately with plenty of water, also under the eyelids. Seek medical advice.
Ingestion: Rinse mouth with water. Drink water as a precaution.

4.2 Most important symptoms/effects, acute and delayed

Poisoning Symptoms: No case of human poisoning is on record.

4.3 Indication of any immediate medical attention and special treatment needed

Antidotes: No specific antidote is known! Apply symptomatic therapy.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry powder, foam, carbon dioxide (CO2) or water spray (do not use water jet).

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon dioxide (CO2) Carbon oxides nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions: No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Knock down dust with water spray jet. Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose in an incinerator approved for chemicals. Treat contaminated surfaces with water. 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.
SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice. 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: 20.2

Storage temperature: min. 2 °C - max. 30 °C

Other data: Store the product in closed original containers. Protect from direct sunlight. Protect from humidity.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components with workplace control parameters</th>
<th>CAS-No.</th>
<th>Notes</th>
<th>Exposure limit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyromazine</td>
<td>66215-27-8</td>
<td>Novartis Internal Exposure Limit (NPIEL) 8 h TWA</td>
<td>0.14 mg/m³</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

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: Protective gloves
Eye protection: Safety glasses
Skin and body protection: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Heavy duty work shoes/Boots

Hygiene measures: Shower or bathe at the end of working. Change clothing. Thoroughly clean contaminated equipment with soap or soda solution. Thoroughly clean protective gear.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: solid
Form: granular
Colour: white - beige
Bulk density: 0.60 - 0.80 g/cm³
pH: 7.5 - 9.5 pH (media): Solution in deionised water - 1 %
Miscibility with water: miscible
Flammability: not inflammable up to 200 °C
Method: Flammability (gases) Extinguishability with CO2: yes

Flammability: combustible
Method: Flammability (solids)
SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Reactivity: Stable under recommended storage conditions.

10.2 Chemical stability
Chemical Stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions: Stable under recommended storage conditions.

10.4 Conditions to avoid
Conditions to avoid: Stable under recommended storage conditions.

10.5 Incompatible materials
Materials to avoid: No data available.

10.6 Hazardous decomposition products
Hazardous decomposition products: No decomposition if stored normally.
Stable under recommended storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity: LD50 > 5,000 mg/kg
Species: Rat

Acute inhalation toxicity: LC50 > 1958 MG/M3
Species: Rat
Exposure time: 4 h

Acute dermal toxicity: LD50 > 5,000 mg/kg
Species: Rat

Skin irritation: No skin irritation
Species: rabbit

Eye irritation: No eye irritation
Species: rabbit

Sensitisation: Not sensitizing
Species: guinea pig

Mutagenicity (in vitro): Negative
Remarks: Derived from the active ingredient(s)

Mutagenicity (in vivo): Negative
Remarks: Derived from the active ingredient(s)

Further information: Not teratogenic (rat, rabbit)
Derived from the active ingredient(s)
### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

**Toxicity to fish**
- LC50 > 100 mg/l
  - Species: *Salmo trutta* (trout)
  - Exposure time: 96 h
  - Remarks: Derived from the active ingredient(s)

- LC50 > 100 mg/l
  - Species: *Cyprinus carpio* (Common carp)
  - Exposure time: 96 h
  - Remarks: Derived from the active ingredient(s)

**Toxicity to daphnia**
- LC50 > 100 mg/l
  - Species: *Daphnia magna* (water flea)
  - Exposure time: 48 h
  - Remarks: Derived from the active ingredient(s)

**Toxicity to algae**
- IC50 > 100 mg/l
  - Species: *Scenedesmus subspicatus* (green algae)
  - Exposure time: 120 h
  - Remarks: Derived from the active ingredient(s)

**Toxicity to soil organisms**
- LC50 > 1,000 mg/kg
  - Species: *Eisenia fetida* (earthworm)
  - Exposure time: 14 d
  - Remarks: Derived from the active ingredient(s)

**Toxicity to birds**
- LD 50 (acute) > 6,000 mg/kg
  - Species: *Anas platyrhynchos domestic* (Peking duck)

- LD 50 (acute) > 6,000 mg/kg
  - Species: *Coturnix japonica* (Japanese quail)

**Toxicity to bees**
- Remarks: Non-toxic for adult bees

#### 12.2 Persistence and degradability

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

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**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. Dispose of empty containers in an incinerator approved for chemicals. In accordance with internal, local and national regulations.
SECTION 14: TRANSPORT INFORMATION

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

Land transport (ADR/RID)
- UN number: FREE
- Class: Not classified as dangerous good

Sea transport (IMDG)
- UN number: FREE
- Class: Not classified as dangerous good

Air transport (ICAO/IATA)
- UN number: FREE
- Class: Not classified as dangerous good

Postal delivery - Switzerland: 1 allowed

SECTION 15: REGULATORY INFORMATION

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

National legislation
- Weight limit (Switzerland - StFV): 200,000 kg
- Swiss Fire Prevention Code: F4 S

15.2 Chemical Safety Assessment
- Assessment: not required

SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
Full text of H-Statements referred to under sections 2 and 3.

R22: Harmful if swallowed.
H302: Harmful if swallowed.

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.