

SAFETY DATA SHEET

according to EC directive 2001/58/EC

 Version: 2.
 Revision Date 09.02.2007

Print Date 09.02.2007

PRAC-TIC 12.5% (in pipettes)

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

Product information

Substance No. : 000070002204
 NAH Substance Code : A-20028 B
 Trade name : PRAC-TIC 12.5% (in pipettes, blistered)
 Product name : PYRIPROLE 12.5%(W/V), SPOT-ON (BLISTERED)

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

Telephone : +41616971111
 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 : Veterinary Product: Flea control / Anthelmintic
 Type of preparation : Spot-on
 Active ingredient : NOA 444595 A Pyriprole

Hazardous components

Denomination	CAS-No.	Symbol(s)	R-phrases(s) Refer to section 16 for text.	Concentration (% w/w)
PYRIPROLE	394730-71-3	Xn, N	R21, R22, R50/53	12.12

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) : No hazards to be specially mentioned.

4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move out of dangerous area. Keep warm and in a quiet place.

Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water.

Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
 Ingest activated charcoal.
 If you feel unwell, seek medical advice (show the label where possible).

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 : 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 L

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Pay attention to protective clothing and safety measures.
Collect material in specially marked, tightly closing containers.
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.
- Additional advice : No hazards to be specially mentioned.

7. HANDLING AND STORAGE

Handling

- Safe handling advice : No special handling advice required.
Avoid contact with skin, eyes and clothing.

Storage

- Advice on common storage : Store separately from feed, food and stimulants.
- Novartis storage class : 20.1
- Max. Storage temperature: : 30 °C
- Min. Storage temperature: : -10 °C
- Other data : Store the product in closed original containers.
Protect from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : No special protective equipment required.
In case of direct contact with product, wear:
Chemical-resistant gloves
- Eye protection : safety glasses
- Skin and body protection : No special protective equipment required.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Wash hands before breaks and at the end of workday.
Change clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid, clear, solution
Colour	:	colourless - yellow
Density	:	1.031 g/ml
Flash point	:	ca. 96 °C Remarks: Derived from component with lowest flash point. Test type: closed cup

10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 > 300 - < 2,000 mg/kg Species: rat Method: OECD Test Guideline 423
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
Eye irritation	:	No eye irritation Species: rabbit Method: OECD Test Guideline 405
Sensitization	:	not sensitizing Species: mouse Method: OECD Test Guideline 406
Mutagenicity (in vitro)	:	Result: negative Test type: Gene mutation test in bacteria Remarks: Derived from the active ingredient(s)
	:	Result: negative Test type: Chromosome aberrations test in human lymphocytes Remarks: Derived from the active ingredient(s)

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	LC50 ca. < 1 mg/l Species: Brachydanio rerio (Zebra fish) Remarks: Derived from the active ingredient(s)
Toxicity to daphnia	:	EC50 > 1 - < 10 mg/l Species: Daphnia magna (water flea) Remarks: Derived from the active ingredient(s)
Toxicity to algae	:	EC50 > 1 - < 10 mg/l Species: Scenedesmus subspicatus (green algae) Remarks: Derived from the active ingredient(s)

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Toxicity to microorganisms : IC50 > 1,000 mg/l
 Species : act.sewage sludge
 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 product and 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. Check possibilities of recycling not contaminated packaging material

14. TRANSPORT INFORMATION

ADR/RID

UN-No : FREE
 Class : Not classified as dangerous good

IMDG

UN-No : FREE
 Class : Not classified as dangerous good

ICAO/IATA

UN-No : FREE
 Class : Not classified as dangerous good

Transport Classification PTT : 1 (free)
 CH

15. REGULATORY INFORMATION

labelling according to EEC Directive

Symbol(s) : classification not required
 The product is not subject of Directive 1999/45 EEC.

National legislation

Weight limit (Switzerland) as prescribed by accident regulations : 20,000 kg

16. OTHER INFORMATION

R-phrases(s) (Text of R phrases mentioned in Section 2)

R21 : Harmful in contact with skin.
 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.