

PRODUCT: **GOLIATH GEL**

DATE: 27/06/2008

VERSION: 3

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1. SUBSTANCE/PREPARATION AND COMPANY NAME

Product Name: **GOLIATH GEL**
 HSE Number: 6514
 / PCS Number: 94727
 / UK Marketing Company:
 / BASF Agro B.V.
 / Moosacherstr. 2
 / 69
 / 8820 Waedenswil/Au
 / Switzerland
 / Telephone: 0161 485 6222
 / Fax: 0161 486 0891
 / Irish Marketing Company:
 / BASF Ireland Limited
 / Bracetown Business Park
 / Bracetown
 / Clonee
 / Co Mereth
 / Telephone: 01 825 5701
 / Telefax: 01 825 2038

Emergency information: 0049 180 2273 112 (24 hours freephone)

2. COMPOSITION/INFORMATION ON INGREDIENTS

/ Use: Insecticide for Professional Use
 Formulation: A ready to use gel containing 0.05 % w/w (0.5 g/kg) fipronil

<u>Hazardous ingredients</u>	<u>CAS No.</u>	<u>% w/w (g/kg)</u>	<u>Symbol</u>	<u>R Phrases</u>
Fipronil	120068-37-3	0.05 (0.5)	T (Toxic) N (Dangerous for the environment)	R23/24/25, R48/25, R50/53

3. HAZARDS IDENTIFICATION

/ HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (R52/53).

4. FIRST AID MEASURES

General advice: If a person thinks that they have been exposed to this product and feels unwell, call a doctor or take them to a hospital. Remove all contaminated clothing. Keep them at REST away from source of contamination. DO NOT ALLOW smoking or eating. First aider should avoid becoming contaminated and wear protective clothing if necessary.

Eye contact: Immediately irrigate affected eyes for at least 15 minutes under flowing water, with eyelids open.

Skin contact: Immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.

\ A backslash in the left hand margin indicates an amendment from the previous version.

Ingestion: Immediately rinse mouth then drink plenty of water. Seek medical attention immediately.

Inhalation: Keep person calm, remove to fresh air, summon medical help.

Unconscious-ness If danger of loss of consciousness, place person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

4. **FIRST AID MEASURES contd.**

GUIDE TO PHYSICIAN - general advice

Active ingredient group: Fipronil is from the phenyl pyrazole group of insecticides.

Toxic effects: This material is of low general toxicity.

Symptoms of accidental over exposure: Restlessness, anxiety, tremor.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to BASF at Cheadle.

5. **FIRE FIGHTING MEASURES**

Suitable extinguishing media: Water spray, water fog, carbon dioxide, foam, dry extinguishing media.

Possible harmful fumes in a fire: Carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, sulfur oxides. Do not breathe smoke or fumes.

Protective equipment: In case of fire wear self-contained breathing apparatus and chemical protective clothing.

Further information: Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings"- UK only.

6. **ACCIDENTAL RELEASE MEASURES**

If spilled: Wear prescribed protective clothing. Clear spillage immediately. Contain spillage, sweep or shovel up. Collect contaminated material and place in a marked container for disposal. Thoroughly wash area of spillage. Dispose of contaminated materials as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings" – UK only. Wash thoroughly immediately after handling spillages, or at once if contaminated.

Personal protective equipment: See Section 8.

Environmental precautions:	<p>Do not allow contamination of public drains or surface or ground waters.</p> <p>UK: Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters.</p> <p>Ireland: Inform local water plc if spillage enters drains and the Environmental Protection Agency if it enters surface or ground waters.</p> <p>Keep people and animals away.</p>
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7. **HANDLING AND STORAGE**

Handling:	No special measures are necessary provided the product is used correctly. When using do not eat, drink or smoke.
Protection against fire and explosion:	Product is not combustible.
Storage:	Keep dry and frostproof in a suitable pesticide store. Keep only in original container. Keep away from heat and protect from sunlight. Store separately from food, drink and animal feed.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

(i) PRECAUTIONS (from product label)

FOR USE ONLY BY PROFESSIONAL OPERATORS
 FOR INDOOR USE ONLY
 The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work – UK only.
 USE ONLY in positions inaccessible to children and animals
 DO NOT USE where food, feed or water could become contaminated DO NOT APPLY IN OR AROUND DRAINS
 This material and its container must be disposed of in a safe way
 WASH ANY CONTAMINATION from skin or eyes immediately
 WASH HANDS AND EXPOSED SKIN before meals and after use
 Keep out of the reach of children
 KEEP IN A SAFE PLACE
 This product contains substances which are known to be hazardous to The environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container
 To avoid risks to man and the environment, comply with instructions for use

Store GOLIATH® Gel cartridges in the original box away from extremes of temperature. When empty dispose of the cartridges safely. Do not attempt to open or re-fill

(ii) PERSONAL PROTECTIVE EQUIPMENT

Hand Protection:
 In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and repeated use of these gloves depends upon spillages being washed off immediately. The gloves should be thoroughly washed after each operation.

General safety & hygiene measure:
The usual precautions for the handling of chemicals must be observed.
Keep away from foodstuffs, animal feedstuffs and beverages.

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The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings" – UK only. Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION contd.**

(iii) OCCUPATIONAL EXPOSURE LIMITS (OESs)

<u>Hazardous ingredients</u>	<u>Long term exposure limit</u>	<u>Short term exposure limit</u>
Not applicable		

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Gel
Colour:	Brown
Odour:	Odourless

10. **STABILITY AND REACTIVITY**

Hazardous reactions:	No hazardous reactions known.
Substances to avoid:	No substances known that should be avoided.
Hazardous decomposition products:	No decomposition if stored and handled as prescribed / indicated.

11. **TOXICOLOGICAL INFORMATION**

Acute toxicity:

Ingestion:	Low toxicity	(LD50 oral (rat): 4400 mg/kg)
Skin contact:	Non Irritant	(LD50 dermal (rat): >5000 mg/kg)
Inhalation of vapour (fipronil):	Unlikely to cause a problem	(LC50 inhalation(rat): 0.682 mg/l /4h)
Eye contact :	Slight irritant effect	
Sensitising potential:	Non sensitiser	

Avoid all unnecessary contact with the product.

12. **ECOLOGICAL INFORMATION**

The ecological data given are those of the active ingredient:

Ecotoxic effects:	Rainbow trout (<i>Oncorhynchus mykiss</i>) LC50 96h:	0.25 mg/l
	Algae EC/LC50 (0-72 h):	0.068 mg/l
	Daphnia EC/LC50 (48h):	0.19 mg/l

13. DISPOSAL CONSIDERATIONS

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Leaking containers: Damaged or leaking containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: **UK:**
Follow the directions given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings" .

Ireland:

Used, cleaned, crushed or punctured containers may be disposed of at licensed disposal sites.

Disposal of diluted pesticide: **UK:**
Advice for the disposal or re-use of diluted pesticide is given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

Ireland:

Advice for the disposal may be given by local authorities (Environmental Health Departments) who will recommend a waste disposal contractor. Do not re-use containers for any purpose

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

15. REGULATORY INFORMATION

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UK:

This product is approved under the "Control of Pesticides Regulations 1986" and is labelled accordingly.

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work.

Ireland:

This product is authorised, cleared, notified or granted permission to market in accordance with the European Communities (Authorisation, Placing on the market, Use and Control of Plant Protection Products) Regulations 2003 as amended, and is labelled in accordance with European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001.

16. OTHER INFORMATION

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UK:

For further medical advice Doctors should contact the National Poisons Information Service.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407 333 (24 hours).

Ireland:

For further medical advice Doctors should contact the National Poisons Information Centre at Beaumont Hospital.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407 333 (24 hours).

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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.
