

SAFETY DATA SHEET according to EC Directive 2001/58/EC

Bayer Environmental Science



AGENDA 25EC 13625 2X5L IN

Version 1

Revision Date 25.08.2003

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

Product information

Trade name : AGENDA 25EC 13625 2X5L IN

Product code : TADS9922

Product code : EXP61069A

Specification : 13625

Logo

Company : Bayer Environmental Science
16, rue Jean-Marie Leclair
69009 Lyon
France

Emergency telephone number : +33(0)4.72.85.25.25

Telefax : +33(0)4.72.85.27.99

Numéro INRS : +33(0)1.45.42.59.59

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Emulsifiable Concentrate (EC)

Fipronil 25 g/l EC

Hazardous components

Chemical Name	CAS-No.	Symbol(s)	R-phrases	Concentration [%]
Fipronil	120068-37-3	T, N	R23/24/25 R48/25 R50/53	2,92
Odourless Kerosine	64742-47-8	Xn	R65 R66	>= 60,00 - <= 80,00
Diethyl phosphite	120-73-8	Xn	R22	>= 5,00 - <= 20,00

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Harmful in contact with skin and if swallowed.

Risk of serious damage to eyes.

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful; may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

4. FIRST AID MEASURES

- Inhalation : When inhaled remove to fresh air and seek medical aid
- Skin contact : In case of contact with skin wash off immediately with soap and water.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, seek medical aid immediately and show this container or label.

Notes to physician

- Symptoms : The following symptoms may occur: Restlessness, Anxiety, tremor, convulsions
- Treatment : Carefully monitor the respiratory functions.
Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.
Artificial respiration and/or oxygen may be necessary.
There is no antidote.
Symptoms may not appear for several hours.
Keep under medical supervision for at least 48 hours.
Against convulsions: Give diazepam: for adults 5-10 mg, for children 2-5 mg intravenously repeated as necessary until fully sedated

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : water spray
foam
carbon dioxide (CO₂)
dry powder
- Specific hazards during fire fighting : In the event of fire the following can be released:
carbon monoxide (CO)
hydrogen chloride (HCl)
nitrogen oxides (NO_x)
hydrogen fluoride
sulphur oxides
carbon dioxide (CO₂)
- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

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Further information

- : In the event of fire, cool tanks with water spray.
Contain the spread of the fire-fighting media.
Collect contaminated fire extinguishing water separately. This
must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid contact with spilled product or contaminated surfaces.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Because of harmful effects on water organisms, do not allow to
enter into drains, streams, rivers, lakes or other water courses.
- Methods for cleaning up : Recover the product by pumping, suction or absorption using a
dry and inert absorbent clay.
Pick up and fill the product into a tightly closed container.
When picked up, treat material as prescribed under heading
"Disposal".
- Additional advice : Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see
section 8.
Information regarding waste disposal, see section 10.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Smoking, eating and drinking should be prohibited in the
application area.
- Advice on protection
against fire and explosion : Product is inflammable.
- Requirements for storage
areas and containers : Keep out of the reach of children.
Keep container tightly closed.
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
- Suitable materials : polymer barrier

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Additional advice : OES for tripronil: 0.035 mg/m³ (internal limit)

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Engineering measures

Provide appropriate exhaust ventilation at machinery.

Personal protective equipment

Respiratory protection : Filter A or self-contained breathing apparatus
Hand protection : nitrile rubber

Eye protection : tightly fitting safety goggles

Skin and body protection : Solvent-resistant protective clothing

Hygiene measures : Wash hands immediately after work, if necessary, take shower
Remove soiled clothing immediately.

Protective measures : Avoid prolonged and/or repeated contact with skin

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : colourless to yellowish

Safety data

pH : 3,1 - 3,3
Note: Determined as a 1% emulsion in distilled water.

Flash point : 80 °C

Density : 856 g/l

Water solubility : Note: dispersible

10. STABILITY AND REACTIVITY

Hazardous reactions : No hazardous reactions when stored and handled according to prescribed instructions.
Note: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 (rat) > 5,03 mg/kg
Test substance: The value mentioned relates to the active ingredient: fipronil.

Acute inhalation toxicity : LC50 (rat) > 5,03 mg/l
Exposure time: 4 h



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- Acute dermal toxicity : LD50 (rabbit) 354 mg/kg
Test substance: The value mentioned relates to the active ingredient fipronil.
- Skin irritation : rabbit
Result: slight irritant effect - does not require labelling
Test substance: The value mentioned relates to the active ingredient fipronil.
- Sensitization : Result: non-sensitizing
Method: OECD Test Guideline 406, Magnusson & Kligman test
Test substance: The value mentioned relates to the active ingredient fipronil.

12 ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish : LC50: 4,5 mg/l
Rainbow trout (*Oncorhynchus mykiss*)
Exposure time: 96 h
- Toxicity to daphnia : EC50: 0,09 mg/l
Water flea (*Daphnia magna*)
Exposure time: 48 h
- Toxicity to algae : EC50: 0,074 mg/l
Scenedesmus subspicatus
Exposure time: 96 h
Test substance: The value mentioned relates to the active ingredient fipronil.

13. DISPOSAL CONSIDERATIONS

- Product : The normal way is incineration.
In case of problems, please contact the manufacturer.
- Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste.
- Waste may not be used as product : UZU106 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION



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ADR/RID/	: UN-No	3082
ADNR	Labels	9
	Packaging group	III
	Hazard no.	90
	Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FIPRONIL)

IMDG	: UN-No	3082
	Class	9
	Packaging group	III
	EmS	NONE
	Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FIPRONIL FIPRONIL)

IATA	: UN-No	3082
	Class	9
	Packaging group	III
	Description of the goods	Environmentally hazardous substance, liquid, n.o.s. (FIPRONIL)

4. REGULATORY INFORMATION

The product is classified and labeled in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Hazardous components which must be listed on the label:

* Fipronil

Symbol(s):	: Xn N	Harmful Dangerous for the environment
P phrases(s)	: R11 R22 R41 R48/22 R50/53 R65 R66	Harmful in contact with skin Harmful if swallowed. Risk of serious damage to eyes. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
S-phrase(s)	: S26 S35	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This material and its container must be disposed of in a safe way.

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S36/37

Wear suitable protective clothing and gloves.

S39

Wear eye/face protection.

S57

Use appropriate containment to avoid environmental contamination.

S62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Further information

: WHO-classification: III (Slightly hazardous)

Legislation on the control of
major-accident hazards
involving dangerous
substances

: Rubrique n°1155: Dépôts de produits agrochimiques.

Occupational diseases

Table number(s):

84

: Health effects caused by organic solvents in occupational applications.

Occupational health
precautions

Code du Travail (French work category): Art. R 224 16
Travaux interdits aux jeunes travailleurs âgés de moins de
seize ans

16. OTHER INFORMATION**Further information**

Text of R-phrases mentioned in Section 2:

R22

Harmful if swallowed.

R23/24/25

Toxic by inhalation, in contact with skin and if swallowed.

R34

Causes burns.

R41

Risk of serious damage to eyes.

R48/25

Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65

Harmful: may cause lung damage if swallowed.

R66

Repeated exposure may cause skin dryness or cracking.

The information provided in this safety data sheet has been provided according to the requirements from the French modified decree arrêté du 5 janvier 1993. This sheet complements the technical sheet but does not replace it. The information contained in this sheet is based on knowledge of the product at the date of publication and is given in good faith. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The user is fully responsible for taking all the necessary precautions whilst using the product. The aim of the statutory regulations indicated is to help the user to fulfil his obligations regarding the use of hazardous products. This list should not be considered as exhaustive. It does not exonerate the user from fulfilling other existing legal obligations in addition to those mentioned, relating to the use and storage of the product. This remains solely the responsibility of the user.

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The advice on classification in section 15 of this Safety Data Sheet is based on European Directive on Preparations (1999/45/EC and its subsequent adaptations). The legislation on pesticide preparations should be applied by EU Member States not later than 30 July 2004.

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

Bayer Environmental Science