

**FENHEXAMID SC 500 G****U-EU****1/6**Version 1 / EU  
102000007612

Revision Date: 24.11.2009

Print Date: 15.03.2012

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	FENHEXAMID SC 500 G	U-EU
Product code (UVP)	05362865	
Usage	Fungicide	
Company	Bayer CropScience AG Alfred-Nobel-Straße 50 40789 Monheim am Rhein Germany	
Telefax	+49(0)2173-38-7394	
Responsible Department	Product Safety and Specification Mgmt +49(0)2173-38-3409/3189 (during business hours only) Email: INFO.EHS@bayercropscience.com	

Emergency telephone number +1 (760) 476-3964 (Company 3E for Bayer CropScience)

**2. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Suspension concentrate (=flowable concentrate)(SC)  
Fenhexamid 500g/l**Hazardous components**

Chemical Name	CAS-No. / EC-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Fenhexamid	126833-17-8 4225305	N	R51/53	42,80

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

**4. FIRST AID MEASURES****General advice**Move out of dangerous area. Place and transport victim in stable position (lying sideways).  
Remove contaminated clothing immediately and dispose of safely.**Inhalation**

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

**Skin contact**

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

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**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

**Ingestion**

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

**Notes to Physician****Treatment**

Treat symptomatically.  
Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water spray  
Carbon dioxide (CO<sub>2</sub>)  
Foam  
Sand

**Specific hazards during fire fighting**

Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride (HCl)  
Hydrogen cyanide (hydrocyanic acid)

**Special protective equipment for fire-fighters**

In the event of fire and/or explosion do not breathe fumes.  
In the event of fire, wear self-contained breathing apparatus.

**Further information**

Contain the spread of the fire-fighting media.  
Do not allow run-off from fire fighting to enter drains or water courses.

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**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Avoid contact with spilled product or contaminated surfaces.  
Use personal protective equipment.

**Environmental Precautions**

Do not allow to get into surface water, drains and ground water.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Collect and transfer the product into a properly labelled and tightly closed container.  
Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional Advice**

Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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**7. HANDLING AND STORAGE**

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**Handling**

Advice on protection against fire and explosion  
Keep away from heat and sources of ignition.

**Storage**

Requirements for storage areas and containers  
Store in a place accessible by authorized persons only.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage  
Keep away from food, drink and animal feedingstuffs.

Temperature tolerance	min.	max.
	-10 °C	40 °C

Suitable materials  
HDPE (high density polyethylene)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Fenhexamid	126833-17-8	5,1 mg/m <sup>3</sup> (TWA)		OES BCS*

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory Protection      No personal respiratory protective equipment normally required.

Hand protection      Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection      Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection      Wear standard coverall and type 6 suit.  
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

**Hygiene measures**

Avoid contact with skin, eyes and clothing.  
Keep working clothes separately.  
Remove soiled clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).  
Wash hands before breaks and immediately after handling the product.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	suspension, liquid
Colour	brown
Odour	weak, characteristic

**Safety data**

pH	6,5 - 8,0 at 100 % (23 °C)
Flash point	> 100 °C No flash point - Determination conducted up to the boiling point.
Density	approx. 1,17 g/cm <sup>3</sup> at 20 °C

**10. STABILITY AND REACTIVITY**

Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.
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**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) > 2.500 mg/kg
Acute Dermal Toxicity	LD50 (rat) > 4.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)
Sensitization	Non-sensitizing. (rabbit) OECD Test Guideline 406, Buehler test

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to Fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 3,02 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea ( <i>Daphnia magna</i> )) > 18,8 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient.
Toxicity to algae	IC50 ( <i>Desmodesmus subspicatus</i> ) 48,1 mg/l Growth rate; Exposure time: 72 h

**13. DISPOSAL CONSIDERATIONS**

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**Product**

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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**14. TRANSPORT INFORMATION****ADR/RID/ADNR**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENHEXAMID SOLUTION)
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways.  
Please refer to the manufacturer for further information.

**IMDG**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine Pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENHEXAMID SOLUTION)

**IATA**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENHEXAMID SOLUTION )

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**15. REGULATORY INFORMATION****Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.**

## Classification:

Labelling according to EC Directives

Hazardous components which must be listed on the label:

- Fenhexamid

Symbol(s)

N

Dangerous for the environment

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## R-phrases(s)

R51/53

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

## S-phrases(s)

S35

S57

This material and its container must be disposed of in a safe way.  
Use appropriate container to avoid environmental contamination.**16. OTHER INFORMATION****Further information**

Text of R-phrases mentioned in Section 3

R51/53

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

The information given in this Data Sheet has been included in accordance with the guidelines established by Regulation (EC) 1907/2006. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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