



## TALAT WG50 10X1KG BOX GB

Version 1 / GB  
102000007449

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Revision Date: 06.06.2006  
Print Date: 06.06.2006

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

#### Product information

Trade name	TALAT WG50 10X1KG BOX GB
Product code (UVP)	05137209
Usage	fungicide
Company	Bayer CropScience Limited 230 Cambridge Science Park Milton Road Cambridge Cambridgeshire CB4 0WB Great Britain
Telephone	+44(0)1223 226500
Telefax	+44(0)1223 426240
Emergency telephone number	0800-220876 (UK 24 hr) +44(0)1603-242424 (Overseas 24 hr)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Water dispersible granules (WG)  
Tolyfluanid 33,3 %, Fenhexamid 16,7 %

#### Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Tolyfluanid	731-27-1 211-986-9	T, N	R23, R36/37/38, R43, R48/20, R50/53	33.80
Fenhexamid	126833-17-8	N	R51/53	17.20
Alkylaryl sulfonate	91078-64-7 293-346-9	Xn	R20/22, R41, R52/53	1.00
Lignin, reaction products with sodium bisulfite and formaldehyde	68512-35-6	Xi	R36	25.00

### 3. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

May cause sensitization by skin contact.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES

#### General advice

Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely.



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Place and transport victim in stable position (lying sideways).

### Inhalation

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

### Skin contact

Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.

### Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician or poison control center immediately.

### Ingestion

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

### Notes to Physician

### Treatment

Treat symptomatically.

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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

In the event of fire the following can be released:  
hydrogen cyanide (hydrocyanic acid)  
hydrogen chloride (HCl)  
hydrogen fluoride  
nitrogen oxides (NO<sub>x</sub>)  
carbon monoxide (CO)  
sulphur dioxide (SO<sub>2</sub>)

### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.  
Use 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.  
Wear personal protective equipment. Unprotected persons must be kept away.  
Keep away sources of ignition.



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### Environmental Precautions

Do not discharge into the drains/surface water/groundwater.  
If spillage enters drains leading to sewage works inform local water company immediately.  
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

### Methods for Cleaning Up

Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.  
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.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling  
Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion  
Dust may form explosive mixtures with air.  
Keep away from heat and sources of ignition.

### Storage

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

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

Storage stability  
Storage temperature < 40 °C

Suitable materials  
aluminium

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.**

### Personal protective equipment

Respiratory Protection	Wear respirator conforming to EN149FFP1. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand Protection	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum

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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 3 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.  
Wash hands immediately after work, if necessary take a shower.  
Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).

**Protective measures**

If product is handled while not enclosed, and if contact may occur:  
complete suit protecting against chemicals

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

Form	granular
Colour	brown
Odour	slight, specific odour

**Safety data**

Autoignition Temperature	from 140 °C
Dust Explosion Class	capable of causing a dust explosion (modified Hartmann tube)
Water Solubility	dispersible
Impact Sensitivity	not impact-sensitive
Combustion number	CN3 Local combustion without spreading at 20 °C

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**10. STABILITY AND REACTIVITY**

Conditions to Avoid	Extremes of temperature and direct sunlight.
Materials to avoid	None.
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 Test conducted with a similar formulation.
Acute Dermal Toxicity	LD50 (rat) > 2,000 mg/kg Test conducted with a similar formulation.
Skin Irritation	Non-irritant. (rabbit) Test conducted with a similar formulation.
Eye Irritation	Non-irritant. (rabbit)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to Fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 0.0822 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea ( <i>Daphnia magna</i> )) 4.2 mg/l Exposure time: 48 h
Toxicity to algae	EC50 ( <i>Desmodesmus subspicatus</i> ) > 1 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient tolylfluanid.
Toxicity to algae	EC50 ( <i>Desmodesmus subspicatus</i> ) > 26.1 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient fenhexamid.

### 13. DISPOSAL CONSIDERATIONS

#### Product

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.  
Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

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**Contaminated packaging**

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.

Return large containers to supplier.

Follow advice on product label and/or leaflet.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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

UN-No	<b>3077</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLYLFLUANID, FENHEXAMID MIXTURE)

**IMDG**

UN-No	<b>3077</b>
Class	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLYLFLUANID, FENHEXAMID MIXTURE )

**IATA**

UN-No	<b>3077</b>
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLYLFLUANID, FENHEXAMID MIXTURE )

**UK 'Carriage' Regulations**

UN-No	<b>3077</b>
Labels	9
Packaging group	III
Hazard no.	90
Emergency action code	2Z
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLYLFLUANID, FENHEXAMID MIXTURE)

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**15. REGULATORY INFORMATION**

This product has been classified in accordance with The Chemicals (Hazard Information and

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## Classification:

Labelling according to EC Directives

## Hazardous components which must be listed on the label:

- Tolyfluanid
- Fenhexamid

## Symbol(s)

Xi	Irritant
N	Dangerous for the environment

## R-phrases(s)

R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases(s)

S24	Avoid contact with skin.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
S57	Use appropriate container to avoid environmental contamination.

## Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

## Further information

WHO-classification: III (Slightly hazardous)

**16. OTHER INFORMATION****Further information**

## Text of R phrases mentioned in Section 2:

R20/22	Harmful by inhalation and if swallowed.
R23	Toxic by inhalation.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the



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information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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