

**PONCHO® FS 600****UKRAINE**Version 1 / EU
1020000078861/6
Revision Date: 08.11.2007
Print Date: 22.04.2008**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name PONCHO® FS 600
Product code (UVP) 05669669
Usage Insecticide, seed treatment
Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim
Germany

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Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/4566
Email: INFO.EHS@bayercropscience.com

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

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

Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Flowable concentrate for seed treatment (FS)
Clothianidin 600 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Clothianidin	210880-92-5			47,60
Fatty alcohol ethoxylate	380223-00-7	Xn, N	R22, R41, R50	> 0,10

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.**Skin contact**

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



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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

Elementary aid, decontamination and symptomatic treatment.
In case of ingestion perform gastric lavage, then administer charcoal (carbo medicalis) and sodium sulfate.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray
Carbon dioxide (CO₂)
Foam
Sand

Specific hazards during fire fighting

In the event of fire the following can be released:
Hydrogen chloride (HCl)
Hydrogen cyanide (hydrocyanic acid)
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur oxides

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.

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

Clean contaminated floors and objects thoroughly, observing environmental regulations.
Keep in suitable, closed containers for disposal.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

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

Handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Storage

Requirements for storage areas and containers

Store in a place accessible by authorized persons only.

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage temperature < 50 °C

Suitable materials

HDPE (high density polyethylene)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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. 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 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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Form	liquid
Colour	red
Odour	weak, characteristic

Safety data

pH	5 (undiluted)
Flash point	> 100 °C
Ignition temperature	465 °C
Density	approx. 1,26 g/cm ³ at 20 °C
Water solubility	miscible
Partition coefficient: n-octanol/water	POW: 5 log Pow: 0,7 at 25 °C
Viscosity, kinematic	130 mm ² /s at 40 °C Shearstress of 20/sec
Viscosity, kinematic	55 mm ² /s at 40 °C Shearstress of 100/sec
Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113

10. STABILITY AND REACTIVITY

Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions.
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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 500 - < 1.000 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 2,628 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol. Highest attainable concentration.
Acute Dermal Toxicity	LD50 (rat) > 4.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)

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Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
Sensitization	Non-sensitizing. (mouse) OECD Test Guideline 429, local lymph node assay (LLNA)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

12. ECOLOGICAL INFORMATION

Biodegradability Readily biodegradable.
The value mentioned relates to the active ingredient clothianidin.

Ecotoxicity effects

Toxicity to Fish LC50 (Rainbow trout (*Oncorhynchus mykiss*)) > 104,2 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient.

Toxicity to daphnia EC50 (Water flea (*Daphnia magna*)) > 270 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient.

Toxicity to daphnia EC50 (*Chironomus riparius* (non-biting midge)) 0,029 mg/l
static test Exposure time: 4 d
The value mentioned relates to the active ingredient:

Toxicity to algae IC50 (*Pseudokirchneriella subcapitata*) > 120 mg/l
Growth rate Exposure time: 120 h
The value mentioned relates to the active ingredient.

13. DISPOSAL CONSIDERATIONS**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

14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.



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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:

- Clothianidin

Symbol(s)

Xn Harmful

R-phrases(s)

R22 Harmful if swallowed.

Exceptional labelling

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

Further information

WHO-classification: II (Moderately hazardous)

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

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.