

**FST+PPC SL 310+530 G****U-EU**

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Version 2 / D  
102000004473Revision Date: 21.02.2006  
Print Date: 26.05.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	FST+PPC SL 310+530 G	U-EU
Product code (UVP)	06396712	
Usage	fungicide	
Company	Bayer CropScience AG Alfred-Nobel-Straße 50 40789 Monheim Germany	
Telephone	+49(0)69-305-5748	
Telefax	+49(0)69-305-80950	
Responsible Department	Material and Transport Safety Management +49(0)69-305-82369/12588	

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

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Soluble concentrate (SL)  
75% Propamocarb-Fosetylalte 840 g/l, adequate: 530 g/l Propamocarb (CAS-No. 24579-73-5) and  
310 g/l Fosetyl (CAS-No. 15845-66-6)

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

May cause sensitization by skin contact.

**4. FIRST AID MEASURES****General advice**

Remove contaminated clothing immediately and dispose of safely.

**Inhalation**

If symptoms persist, call a physician. Move to fresh air.

**Skin contact**

In case of contact with skin wash off immediately with soap and water. If symptoms persist, call a physician.

**Eye contact**

Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion**

When swallowed accidentally, do not induce vomiting, get medical help. Rinse out mouth and give water in small gulps to drink. Ingest activated charcoal.

**Notes to Physician****Symptoms**

The following symptoms may occur: lethargy, ataxia, spasm, Local: sensitising effects



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**Risks**

This product, although being a carbamate, is NOT a cholinesterase inhibitor.

**Treatment**

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Product itself is non-combustible; fire extinguishing measures to suit surroundings.

**Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.  
Wear full protective suit.

**Further information**

Cool endangered containers with water spray jet.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Use personal protective equipment.

**Environmental Precautions**

Do not discharge into the drains/surface water/groundwater.  
If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for Cleaning Up**

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).  
Keep in suitable, closed containers for disposal.

**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

Keep container tightly closed.  
Avoid subsoil penetration.

Advice on protection against fire and explosion

No special precautions required.

**Storage**

Requirements for storage areas and containers

Store in original container.  
Keep away from direct sunlight.  
The storage temperature should lie between 0 °C and 30 °C, maximum up to 50 °C.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

German storage class

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Storage stability  
Storage period 24 Months  
Storage temperature < 28 °C  
Other data Stable under recommended storage conditions.

Suitable materials  
HDPE (high density polyethylene)

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering measures

See section 7; no measures exceeding those mentioned are necessary.

### Personal protective equipment

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 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.  
AGRICULTURAL USES:  
Applicators and other handlers must wear:  
lightweight protective clothing  
rubber apron  
rubber gloves  
Rubber or plastic boots.

### Hygiene measures

Keep away from food, drink and animal feedingstuffs.  
Avoid contact with the skin and the eyes.  
Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.  
After worktime and during work intervals the affected skin areas must be thoroughly cleaned.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form liquid  
Colour colourless to yellowish  
Odour odourless

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pH	6 - 7,5 at 100 % (20 °C)
Boiling point/ range	from 100 °C
Flash Point	> 120 °C at 1.013 hPa DIN EN ISO 2719 (2003-09)
Ignition temperature	300 °C
Density	ca. 1,121 g/cm <sup>3</sup> at 20 °C
Water Solubility	completely miscible
Viscosity, kinematic	36,9 mm <sup>2</sup> /s at 40 °C
Surface tension	59 mN/m at 20 °C
Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113

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**10. STABILITY AND REACTIVITY**

Thermal decomposition	No decomposition if used as directed.
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) > 2.000 mg/kg
Acute Dermal Toxicity	LD50 (rat) > 2.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	Slight irritant effect - does not require labelling. (rabbit)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
Sensitization	sensitizing (mouse) Classification: May cause sensitisation by skin contact. OECD Test Guideline 429, local lymph node assay (LLNA)

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

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Toxicity to Fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) > 98 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea ( <i>Daphnia magna</i> )) > 97 mg/l Exposure time: 48 h
Toxicity to algae	EC50 ( <i>Pseudokirchneriella subcapitata</i> ) > 97 mg/l Exposure time: 72 h
Toxicity to algae	NOEC ( <i>Pseudokirchneriella subcapitata</i> ) 2,2 mg/l

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**13. DISPOSAL CONSIDERATIONS****Product**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Dispose of as hazardous waste.

Undiluted product residues should be disposed of as Special Waste.

**Contaminated packaging**

Do not use containers for other products.

Empty and rinsed containers to be taken to PAMIRA, the cost-free collection system for packaging materials in agriculture.

Not completely emptied packagings should be disposed of as hazardous waste.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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**14. TRANSPORT INFORMATION**

<b>ADNR</b>	Not dangerous goods
<b>ADR</b>	Not dangerous goods
<b>GGVE</b>	Not dangerous goods
<b>GGVS</b>	Not dangerous goods
<b>IATA_C</b>	Not dangerous goods
<b>IATA_P</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>RID</b>	Not 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:

Hazard warning labelling compulsory

Symbol(s)

Xi                      Irritant

R-phrases(s)

R43                      May cause sensitization by skin contact.

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**S-phrase(s)**

S24

Avoid contact with skin.

S37

Wear suitable gloves.

**Exceptional labelling**

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

**Further information**

WHO-classification: III (Slightly hazardous)

**National legislation**Water contamination class      WGK 1 slightly water endangering  
(Germany)

Major Accident Hazard      Not subjected to Malfunction regulations.

**Legislation**

Occupational health precautions

Work limitations for youth should be observed: - 94/33/EC

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

The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. 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.
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