

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

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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.

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.

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.

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)	

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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	colourless to yellowish
Odour	odourless

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Safety data

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 ³ at 20 °C
Water Solubility	completely miscible
Viscosity, kinematic	36,9 mm ² /s at 40 °C
Surface tension	59 mN/m at 20 °C
Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113

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.

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)

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

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

14. TRANSPORT INFORMATION

ADNR	Not dangerous goods
ADR	Not dangerous goods
GGVE	Not dangerous goods
GGVS	Not dangerous goods
IATA_C	Not dangerous goods
IATA_P	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods

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)

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

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.