

PRODUCT SAFETY INFORMATION SHEET

BASF

PRODUCTS: **COMET**
VIVID
TUCANA
PLATOON 250
FLYER
LEY

DATE: 19/02/2010
VERSION: 7
PAGE: 1 of 7

1. SUBSTANCE/PREPARATION AND COMPANY NAME

\ Product Name: **COMET VIVID TUCANA PLATOON 250 FLYER LEY**
\ MAPP Number: 10875 10898 10899 12640 12654 14774
Company: BASF plc
PO Box 4
Earl Road
Cheadle Hulme
Cheadle
Cheshire SK8 6QG

Tel: 0161 485 6222
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Emergency information: 0161 485 6222 (24 hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Use: Agricultural fungicide.
Formulation: An emulsifiable concentrate containing 23.8 % w/w (250 g/litre) pyraclostrobin

<u>Hazardous ingredients</u>	<u>CAS No.</u>	<u>% w/w</u>	<u>Symbol</u>	<u>R Phrases</u>
Pyraclostrobin	175013-18-0	23.8	Xn (Harmful) N (Dangerous for the environment)	R20-38-50/53
Solvent naphtha	64742-94-5	>=40.5 - <=45	Xn (Harmful) N (Dangerous for the environment)	R40, 65, 66, 67, 51/53
Fatty alcohol ethoxylate	68002-96-0	>=22.4 - <=25.2	T (Toxic) N (Dangerous for the environment)	R23, 50
Calcium dodecylbenzene sulfonate	26264-06-2	>=1.4 - <=2%	Xi (Irritant)	R38, 41
2-ethylhexan-1-ol	104-76-7	>=1 - <=1.4	Xi (Irritant)	R36/38

Format based on 91/155/EEC

\ A backslash in the left hand margin indicates an amendment from the previous version.

3. **HAZARDS IDENTIFICATION**



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

HARMFUL IF SWALLOWED (R22)
HARMFUL BY INHALATION (R20)
IRRITATING TO SKIN (R38)
VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (R50/53)

4. **FIRST AID MEASURES**

- General advice: If a person thinks that they have been exposed to this product and feels unwell, call a doctor or take them to a hospital. Remove all contaminated clothing. Keep them at REST away from source of contamination. DO NOT ALLOW smoking or eating. First aider should avoid becoming contaminated and wear protective clothing if necessary.
- Eye contact: Immediately irrigate affected eyes for at least 15 minutes under flowing water, with eyelids open.
- Skin contact: Immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.
- Ingestion: Immediately rinse mouth then drink plenty of water. Seek medical attention immediately.
- Inhalation: Keep person calm, remove to fresh air, summon medical help.
- Unconsciousness: If danger of loss of consciousness, place person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

GUIDE TO PHYSICIAN - general advice

- Active ingredient group: Pyraclostrobin is a strobilurin fungicide.
- Toxic effects: This material is of moderate general toxicity.
- Symptoms of accidental over exposure: There is no documentation of pathological effects in humans.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to BASF at Cheadle.

5. **FIRE FIGHTING MEASURES**

- Suitable extinguishing media: Water spray, foam, dry extinguishing media.
- Possible harmful fumes in a fire: carbon monoxide, hydrogen chloride, carbon dioxide, nitrogen oxides, organochloric compounds can be released. Avoid breathing smoke and fumes.
- Protective equipment: In case of fire wear self-contained breathing apparatus and protective clothing. Fire/explosion fumes should not be inhaled.
- Further information: Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

6. **ACCIDENTAL RELEASE MEASURES**

- If spilled: Wear prescribed protective clothing. Clear spillage immediately. Contain spillage and absorb onto earth, sand or suitable absorbent material. Collect contaminated material and place in a marked container for disposal. Thoroughly wash area of spillage. Dispose of contaminated materials as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings". Wash thoroughly immediately after handling spillages, or at once if contaminated.
- Personal protective equipment: See Section 8.
- Environmental precautions: Do not allow contamination of public drains or surface or ground waters. Prevent product from entering water courses or the ground. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

7. **HANDLING AND STORAGE**

- Handling: No special measures are necessary provided the product is used correctly. When using do not eat, drink or smoke.
- Protection against fire and explosion: Product is combustible. Prevent electrostatic charge. Keep away from sources of ignition. Keep at temperatures between 40 and 5°C. Vapours may form explosive mixtures with air.
- Storage: Keep dry and frostproof in a suitable pesticide store. Store separately from food, drink and animal feed.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

(i) PRECAUTIONS (from product label)

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective clothing:
WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before meals and after work.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

Environmental protection

Do not contaminate water with the product or its container. Do not clean equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

* This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with PSD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

Store in a suitable pesticide store. Keep dry and protect from frost.

(ii) PERSONAL PROTECTIVE EQUIPMENT

Hand Protection:

In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and repeated use of these gloves depends upon spillages being washed off immediately. The gloves should be thoroughly washed after each operation.

General safety & hygiene measure:

The usual precautions for the handling of chemicals must be observed.
Keep away from foodstuffs, animal feedstuffs and beverages.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION contd.**

The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings". Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

(iii) OCCUPATIONAL EXPOSURE LIMITS (OESs)

<u>Hazardous ingredients</u>	<u>Long term exposure limit</u>	<u>Short term exposure limit</u>
Not applicable		

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Liquid (emulsion concentrate)
Colour:	Tan
Odour:	Faintly aromatic
Flash point:	104°C
Density:	1.05 g/l (20°C)
Solubility in water:	Emulsifiable

10. **STABILITY AND REACTIVITY**

Hazardous reactions: No decomposition if stored and applied as directed.

Substances to avoid: Unknown.

Hazardous decomposition products: None if stored and handled correctly.

11. **TOXICOLOGICAL INFORMATION**

Acute toxicity:

Ingestion:	Moderate toxicity	(LD50 oral (rat): >200 < 500 mg/kg)
Skin contact:	Irritant	(LD50 dermal (rat): >4000 mg/kg)
Inhalation of vapour:	Unlikely to cause a problem	(LC50 inhalation (rat) 4h: >1.14 mg/l)
Eye contact :	Not irritant	
Sensitising potential:	No sensitising effect	

Experiences in humans:

Solvent naphtha: lung damage, skin irritation, irritations of the mucous membrane.

Avoid all unnecessary contact with the product.

12. **ECOLOGICAL INFORMATION**

Ecotoxic effects: Rainbow trout (*Oncorhynchus mykiss*) LC50 96h: 0.0229 mg/l
Algae EC/LC50 (0-72 h): 0.690 mg/l
Daphnia EC/LC50 (48h): 0.046 mg/l

13. **DISPOSAL CONSIDERATIONS**

Leaking containers: Damaged or leaking containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: Follow the directions given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

Disposal of diluted pesticide: Advice for the disposal or re-use of diluted pesticide is given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

14. **TRANSPORT INFORMATION**

UN Number : 2902
Packing Group : III

ROAD/RAIL

ADR/RID Class : 6.1
Pesticide, liquid, toxic, N.O.S. (contains pyraclostrobin 24% and solvent naphtha)

SEA

IMDG Class : 6.1
Pesticide, liquid, toxic, N.O.S. (contains pyraclostrobin 24% and solvent naphtha) – Marine Pollutant

AIR

ICAO/IATA Class 6.1
Pesticide, liquid, toxic, N.O.S. (contains pyraclostrobin 24% and solvent naphtha) – Marine Pollutant

Pack sizes : 1 litre 5 litres
No per outer : 10 4

15. **REGULATORY INFORMATION**

This product is approved under the "Plant Protection Products Regulations 1995" and is labelled accordingly.

R-phrases - see Section 3

S-phrases - see Section 8

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work.

This product is subject to The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004 and their amendments.

16. **OTHER INFORMATION**

For further medical advice Doctors should contact the National Poisons Information Service.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407333 (24 hours).

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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.
