

**BACARA SC 350 NPE FREE**Version 1 / IRL
102000038441/7
Revision Date: 10.05.2004
Print Date: 10.05.2004**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name BACARA SC 350 NPE FREE
Product code (UVP) 05945828
Product code AE F088657 01 SC31 A2
Product code (EXP) 30930B
Specification 32625
Usage herbicide

Company Bayer CropScience
Bayer Ltd
Chapel Lane, Swords
CO Dublin
Ireland

Telephone +353-1-8132222
Telefax +353-1-8132288
Emergency telephone number 1800-409-399

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

Suspension concentrate (=flowable concentrate)(SC)
Diflufenican/Flurtamone 100:250 g/l SC

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Flurtamone	96525-23-4	N	R50/53	22.40
Diflufenican	83164-33-4		R52/53	8.90
Polyarylphenylether sulfate, ammonium salt	119432-41-6	Xi	R36, R52/53	>= 1.00 - <= 10.00
1,2 Propanediol	57-55-6 200-338-0			>= 1.00 - < 10.00

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

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES**Skin contact**

Take off all contaminated clothing immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.



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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 plenty of water to drink. Ingest activated charcoal.

Notes to physician

Symptoms

Local:, To date no symptoms are known.

Symptoms

Systemic:, To date no symptoms are known.

Risks

Ingestion may cause liver damage.

Treatment

Treat symptomatically.
Carefully monitor the liver functions.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

carbon dioxide (CO₂)
foam
dry powder
water

Specific hazards during fire fighting

In the event of fire the following can be released:
carbon monoxide (CO)
hydrogen fluoride
nitrogen oxides (NO_x)
Sulphur oxides

Special protective equipment for fire-fighters

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

Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.
Evacuate personnel to safe areas.

Environmental precautions

Keep people and animals away.
Do not allow spilt product to enter soil or waterways
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder,

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sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling
Smoking, eating and drinking should be prohibited in the application area.
Wear personal protective equipment.

Storage

Further information on storage conditions
The storage temperature should lie between 0 °C and 30 °C, maximum up to 50 °C.
Keep away from direct sunlight.
Protect against frost.

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

Storage stability

Storage period	24 Months
Storage temperature	< 30 °C
Other data	Stable under recommended storage conditions.

Suitable materials
polyethylene containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
1,2 Propanediol	57-55-6	470 mg/m ³ (TWA)	1999	ELV (IE)
		10 mg/m ³ (TWA)	1999	ELV (IE)
		470 mg/m ³ (TWA)	2001	ELV (IE)
		10 mg/m ³ (TWA)	2001	ELV (IE)

Engineering measures

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

Personal protective equipment

Respiratory protection Breathing apparatus needed only when aerosol or mist is formed.
Respiratory protection mask with combination filter A/P2

Hand protection Chemical resistant gloves

Eye protection tightly fitting safety goggles



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Skin and body protection impervious clothing

Hygiene measures

When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.

Protective measures

Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	white opaque
Odour	almost odourless

Safety data

pH	7.9 at (23 °C)
Melting point/ range	-3 °C
Flash point	Not relevant; aqueous solution
Ignition temperature	510 °C
Density	1.113 g/cm ³ at 20 °C
Viscosity, dynamic	26 mPa.s at 23 °C
Surface tension	40 mN/m at 20 °C
Explosivity	Not explosive

10. STABILITY AND REACTIVITY

Thermal decomposition	No decomposition if used as directed.
Hazardous reactions	none under normal use

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 (rat) > 2,000 mg/kg
Acute dermal toxicity	LD50 (rat) > 2,000 mg/kg
Skin irritation	non-irritant (rabbit)
Eye irritation	non-irritant (rabbit)

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Print Date: 10.05.2004Sensitization non-sensitizing (guinea pig)
OECD 406, Buehler testFurther information
The(eco) toxicological data refer to a similar formulation (BACARA).

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	LC50 (Rainbow trout (Oncorhynchus mykiss)) 56 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 28 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Scenedesmus subspicatus) 16 µg/l Exposure time: 48 h

Further information on ecologyAdditional ecological information
The(eco) toxicological data refer to a similar formulation (BACARA).

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**Contaminated packaging**Packaging that cannot be cleaned should be disposed of as product waste.
Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in
accordance with local regulations.**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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

UN-No	3082
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLURTAMONE SOLUTION)

IMDG

UN-No	3082
Class	9
Packaging group	III

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EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLURTAMONE SOLUTION)

IATA

UN-No	3082
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLURTAMONE SOLUTION)

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Hazardous components which must be listed on the label:

- Diflufenican
- Flurtamone

Symbol(s)

N Dangerous for the environment

R-phrases)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases)

S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate containment to avoid environmental contamination.

Exceptional labelling of special preparations

Restricted to professional users.

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:

R36	Irritating to eyes.
R50/53	Very 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 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



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required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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