



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Nando 500SC

Version 1 (UK)

Issue date 11/02/2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : **Nando 500SC**

Usage : fungicide

Company : Nufarm UK Limited
Wyke Lane
Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom

Telephone : +44 (0)1274 691234
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2. HAZARDS IDENTIFICATION

Irritating to skin.
May cause sensitization by skin contact.
Possible risk of harm to the unborn child.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : suspension concentrate (SC)
contains 500 g/L Fluzinam

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
Fluzinam	79622-59-6		N, Xn	R20, R38, R41, R43, R50/53, R63	40.0 %
Ammonium salt of polyarylphenyl ether sulphate	119432-41-6		Xi	R36, R52/53	1% - 5%

4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.

Skin contact : Take off contaminated clothing and shoes immediately. Wash
off immediately with soap and plenty of water.

Inhalation : Move affected person(s) into fresh air. If symptoms persist, call
a physician.



Ingestion : Do NOT induce vomiting. Obtain medical attention.

Notes to physician

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting : In the event of fire (HCl, Cl₂, NO_x, CO) may be formed.

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

Suitable extinguishing media : Carbon dioxide (CO₂), Dry powder, Water spray

Extinguishing media which shall not be used for safety reasons : High volume water jet

Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment. (see Chapter 8)

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Keep out of reach of children. Avoid contact with skin and eyes. Wear personal protective equipment.

Storage

Requirements for storage areas and containers : Keep out of reach of children. Protéger du gel. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place.



Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	occupational exposure limits	Note
Fluazinam	79622-59-6		
Ammonium salt of polyarylphenyl ether sulphate	119432-41-6		

Personal protective equipment

- Respiratory protection : No special protective equipment required.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Goggles, or, Safety glasses
- Skin and body protection : Lightweight protective clothing
- Hygiene measures : Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. When using, do not eat, drink or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Handle in accordance with good industrial hygiene and safety practice.
- Protective measures : Avoid contact with skin and eyes and inhalation of vapours. When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : viscous liquid
- Colour : yellow
- Odour : odourless

Other data

- Flash point : does not flash
- Density : 1.258 g/cm³



at ca.20 °C
pH : ca.7.7

10. STABILITY AND REACTIVITY

Conditions to avoid : No dangerous reaction known under conditions of normal use.

Materials to avoid : none

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat female
Dose: > 2,000 mg/kg

Acute dermal toxicity : LD50 rat
Dose: > 2,000 mg/kg

Acute inhalation toxicity : LC50 rat
Dose: > 0.967 mg/l

Skin irritation : rabbit
Result: Irritating to skin.

Eye irritation : rabbit
Result: No eye irritation

Sensitisation : Guinea-pig
Result: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50 *Oncorhynchus mykiss* (Rainbow trout)
Dose: 0.14 mg/l
Testing period: 96 h

Toxicity to daphnia : EC50 *Daphnia magna* (Water flea)
Dose: 0.042 mg/l
Testing period: 48 h



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Toxicity to algae : EbC50 *Desmodesmus subspicatus*
Dose: 0.16 mg/l
Exposure time: 72 h

ErC50 *Desmodesmus subspicatus*
Dose: 0.39 mg/l
Exposure time: 72 h

13. DISPOSAL CONSIDERATIONS

Product : Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

Contaminated packaging : Do not re-use empty containers. Dispose of as unused product.

According to European Directive 2000/532/EC as amended :

Waste Key Number : 02 01 08 (agrochemical waste containing dangerous substances)

14. TRANSPORT INFORMATION

UN-Number : **UN 3082**

Description of the goods : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(Fluazinam)

ADR/RID

Class : 9
Packaging group : III

IMDG

Class : 9
Packaging group : III
Marine pollutant : Y



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IATA-DGR

Class : 9
Packaging group : III

15. REGULATORY INFORMATION

Symbol(s)	: Xn N	Harmful Dangerous for the environment
R-phrase(s)	: R38 R43 R63 R50/53	Irritating to skin. May cause sensitization by skin contact. Possible risk of harm to the unborn child. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S20/21 S36/37 S35 S57	When using do not eat, drink or smoke. Wear suitable protective clothing and gloves. This material and its container must be disposed of in a safe way. Use appropriate container to avoid environmental contamination.

16. OTHER INFORMATION

Print Date : 02/11/2009

(Alterations are indicated in the left hand margin by: ||)

Full text of any R phrases referred to under heading 3:

- R20 - Harmful by inhalation.
- R38 - Irritating to skin.
- R41 - Risk of serious damage to eyes.
- R43 - May cause sensitization by skin contact.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 - Possible risk of harm to the unborn child.
- R36 - Irritating to eyes.
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.