



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Gizmo

Version 2 (UK)

Issue date 11/02/2009

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

Product information

Trade name : **Gizmo**

Usage : fungicide

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

Telephone : +44 (0)1274 691234
Telefax : +44 (0)1274 691176
E-mail : infouk@uk.nufarm.com

Emergency telephone : **+44(0)1274 696603**

2. HAZARDS IDENTIFICATION

Possible risk of harm to the unborn child.
Harmful to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : A flowable concentrate for seed treatment (FS)
Tebuconazole 60g/L

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
Tebuconazole	107534-96-3	403-640-2	N, Xn	R22, R51/53, R63	5.68 %

4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.

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

Ingestion : Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician.



Notes to physician

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (HCl, Cl₂, CO) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Water spray, Carbon dioxide (CO₂), Dry powder, Alcohol-resistant foam
- 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). Sweep up and shovel into suitable containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Wear personal protective equipment.

Storage

- Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Gizmo

Version 2 (UK)

Issue date 11/02/2009

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	occupational exposure limits	Note
Tebuconazole	107534-96-3		

Personal protective equipment

- Respiratory protection : No special protective equipment required.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Safety glasses, or, Goggles
- Skin and body protection : lightweight protective clothing
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
- Colour : red
- Odour : slight

Other data

- Flash point : The product is not flammable.
- Vapour pressure : 1.7E+00 Pa
at 20 °C
(Tebuconazole)
- Density : 1.057 g/cm³
- pH : 8.4



SAFETY DATA SHEET
according to regulation (EC) no 1907/2006

Gizmo
Version 2 (UK)

Issue date 11/02/2009

Partition coefficient: n-octanol/water : log POW = 3.7
(Tebuconazole)

Surface tension : 54.6 mN/m
at 20 °C

10. STABILITY AND REACTIVITY

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

Materials to avoid : Strong acids and strong bases

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
Exposure time: 4 h
Dose: > 2.5 mg/l
Test substance: The toxicological data has been taken from products of similar composition.

Skin irritation : Classification: No skin irritation

Eye irritation : Classification: No eye irritation

Sensitisation : Result: Not sensitizing to skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : static test LC50 *Oncorhynchus mykiss* (Rainbow trout)
Dose: > 100 mg/l
Testing period: 96 h



SAFETY DATA SHEET
according to regulation (EC) no 1907/2006

Gizmo

Version 2 (UK)

Issue date 11/02/2009

Toxicity to daphnia : static test EC50 Daphnia magna (Water flea)
Dose: > 100 mg/l
Testing period: 48 h

Toxicity to algae : EC50 Desmodesmus subspicatus
Dose: 59.4 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 dispose with household waste. Do not re-use empty containers. Dispose at licensed waste disposal site capable of accepting pesticides in compliance with applicable regulations. according to EC directive 94/62/EC

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 :

ADR/RID :

Not a dangerous substance as defined in the above regulations.

IMDG :

Not a dangerous substance as defined in the above regulations.

IATA-DGR :

Not a dangerous substance as defined in the above regulations.



SAFETY DATA SHEET
according to regulation (EC) no 1907/2006

Gizmo
Version 2 (UK)

Issue date 11/02/2009

15. REGULATORY INFORMATION

Symbol(s)	: Xn	Harmful
R-phrase(s)	: R63 R52/53	Possible risk of harm to the unborn child. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S57 S36/37	Use appropriate container to avoid environmental contamination. Wear suitable protective clothing and gloves.
Other regulations	: The product is classified and labelled in accordance with EC directives or respective national laws.	

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:

- R22 - Harmful if swallowed.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 - Possible risk of harm to the unborn child.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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