

**MAISTER POWER OD57,5 4X5L BOT NBC**Version 1 / EU
1020000217941/7
Revision Date: 01.10.2009
Print Date: 29.09.2010**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name MAISTER POWER OD57,5 4X5L BOT NBC
Product code (UVP) 79720386
Usage Herbicide
Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim am Rhein
Germany

Telefax +49(0)2173-38-7394
Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/3189 (during business hours only)
Email: INFO.EHS@bayercropscience.com

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

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

Caution - substance not yet tested completely.
Irritating to eyes and skin.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Oil dispersion (OD)

Hazardous components

Chemical Name	CAS-No. / EC-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Foramsulfuron, sodium salt			R52/53	3,20
Iodosulfuron-methyl-sodium	144550-36-7	N	R50/53	0,10
Thiencarbazone-methyl	317815-83-1	N	R50/53	1,00
Cyprosulfamide	221667-31-8			1,50
Polyglycol ether	345642-79-7	Xi, N	R38, R41, R43, R51/53	< 15,00
Sodium dioctyl sulphosuccinate	577-11-7 209-406-4	Xi	R38, R41	16,00
Solvent Naphtha (petroleum), light aromatic	64742-95-6 265-199-0	Xn, N	R10, R37, R51/53, R65	8,00

For the full text of the R-phrases mentioned in this Section, see Section 16.



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4. FIRST AID MEASURES

Inhalation

Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Skin contact

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

Eye contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Keep patient warm and at rest. Do NOT induce vomiting. If symptoms persist, call a physician.

Notes to Physician

Symptoms

The product causes irritation of eyes, skin and mucous membranes., Allergic reactions

Treatment

Treat symptomatically.

There is no specific antidote.

Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during fire fighting

The product is combustible.

Dangerous gases are evolved in the event of a fire.

In the event of fire the following may be released:

Carbon monoxide (CO)

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Avoid contact with spilled product or contaminated surfaces.

Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation.

Use personal protective equipment.

Environmental Precautions

Do not allow to get into surface water, drains and ground water.

If the product contaminates rivers, lakes or drains inform respective authorities.

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Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Keep in suitable, closed containers 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

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Storage

Requirements for storage areas and containers

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Temperature tolerance	min.	max.
	-10 °C	30 °C

Suitable materials

Coextruded containers with an internal barrier layer made of ethylene vinyl alcohol copolymer (EVOH)

Coextruded containers with an internal barrier layer made of polyamide (PA)

Deformation through oxygen consumption possible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

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.

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Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and type 6 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. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.
Hygiene measures	When using, do not eat, drink or smoke. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Protective measures	Avoid contact with skin and eyes. Do not breathe dust or spray mist.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid, suspension
Colour	white
Odour	aromatic

Safety data

pH	8,0 - 8,6 at 1 % (23 °C)
Density	approx. 0,98 g/cm ³ at 20 °C

10. STABILITY AND REACTIVITY

Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	(rat) > 5.000 mg/kg
Acute Inhalation Toxicity	(rat) 3,257 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol. Highest attainable concentration. During intended and foreseen applications, no respirable aerosol is formed.
Skin Irritation	Moderate skin irritation.

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Eye Irritation	Moderate eye irritation.
Sensitization	sensitizing

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 1 - 10 mg/l
Toxicity to daphnia	EC50 1 - 10 mg/l
Toxicity to algae	EC50 (Lemna gibba (duckweed)) < 100 µg/l Growth rate; Exposure time: 168 h

13. DISPOSAL CONSIDERATIONS**Product**

Do not dispose of waste into sewer.

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging

Triple rinse containers.

Add washings to sprayer at time of filling.

Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations.

Not completely emptied packagings should be disposed of as hazardous waste.

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

UN-Number	3082
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (THIENCARBAZONE-METHYL SOLUTION)
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways.
Please refer to the manufacturer for further information.

IMDG

UN-Number	3082
Labels	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant

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IATA

UN-Number	3082
Labels	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (THIENCARBAZONE-METHYL SOLUTION)

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
N	Dangerous for the environment

R-phrases(s)

R43	May cause sensitization by skin contact.
R36/38	Irritating to eyes and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S24	Avoid contact with skin.
S37	Wear suitable gloves.
S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate container to avoid environmental contamination.

Exceptional labelling

Caution - this preparation contains a substance not yet fully tested.
To avoid risks to man and the environment, comply with the instructions for use.
Contains polyglycol ether. May produce an allergic reaction.

16. OTHER INFORMATION**Further information**

Text of R-phrases mentioned in Section 3

R10	Flammable.
R37	Irritating to respiratory system.
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.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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|--------|---|
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |

The information given in this Data Sheet has been included in accordance with the guidelines established by Regulation (EC) 1907/2006. 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.