



# SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

**Agritox 50**

Version 7 (UK)

Issue date 01/13/2010

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product information

Trade name : **Agritox 50**

Usage : herbicide

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

**Risk of serious damage to eyes.**

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Aqueous solution of alkali and dimethylammonium salts  
Contains MCPA 500 g/L

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
MCPA DMA	2039-46-5	218-014-2	Xn	R20/21/22	25% - 27%
MCPA-K	5221-16-9	226-015-4	Xn	R20/21/22	9% - 12%
MCPA-Na	3653-48-3	222-895-9	Xn	R20/21/22	14% - 16%

## 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.



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**Notes to physician**

Treatment : Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

- Specific hazards during fire fighting : In the event of fire (HCl, Cl<sub>2</sub>, 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 (CO<sub>2</sub>), 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.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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

- Physical state : liquid at 20 °C ,
- Form : Soluble concentrate
- Colour : dark brown
- Odour : amine-like

### Other data

- Start of crystallisation : ca.0 °C
- Boiling point/boiling range : ca.100 °C  
at 1 hPa  
Aqueous solution
- Flash point : > 99 °C
- Vapour pressure : Active ingredient as salt in aqueous solution. Vapour pressure is negligibly low.
- Density : 1.172 g/cm<sup>3</sup>  
at 20 °C
- Water solubility : completely miscible



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pH : 9.1  
at ( 20 °C)

Partition coefficient: n-  
octanol/water : log POW = 0.59  
at 25 °C  
(MCPA), (pH 5)

log POW = -0.71  
at 25 °C  
(MCPA), (pH 7)

## 10. STABILITY AND REACTIVITY

Thermal decomposition : No spontaneous or exothermic decomposition up to 100 °C.

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

Materials to avoid : Strong bases

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat  
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: > 4.72 mg/l  
Test substance: (MCPA DMA)

Skin irritation : rabbit  
Classification: No skin irritation

Eye irritation : rabbit  
Classification: Risk of serious damage to eyes.



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Sensitisation : Guinea-pig  
Result: Did not cause sensitization.

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

Biodegradability : Readily biodegradable, according to appropriate OECD test.

Stability in soil : DT50 : 24 d  
(MCPA)

Stability in water : DT50 : 25 d  
(MCPA)

Bioaccumulation : No bioaccumulation.

### Ecotoxicity effects

Toxicity to birds : LD50 *Colinus virginianus* (Bobwhite Quail)  
Dose: 270 mg/kg

Toxicity to bees : Not toxic to bees.

Toxicity to fish : LC50  
Dose: 99.3 mg/l  
Testing period: 96 h

Toxicity to daphnia : EC50 *Daphnia*  
Dose: > 424 mg/l  
Testing period: 48 h

Toxicity to algae : EC50 *Navicula pelliculosa*  
Dose: 60.7 mg/l  
Exposure time: 120 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.



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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 : **3082**

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

### ADR/RID

Class : 9  
Packaging group : III

### IMDG

Class : 9  
Packaging group : III  
Marine pollutant : Y

### IATA-DGR

Class : 9  
Packaging group : III

## 15. REGULATORY INFORMATION

Symbol(s) : **Xi** Irritant  
**N** Dangerous for the environment

R-phrase(s) : **R41** Risk of serious damage to eyes.



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R50/53

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

S-phrase(s)

: S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35

This material and its container must be disposed of in a safe way.

S39

Wear eye/face protection.

S57

Use appropriate container to avoid environmental contamination.

SP 1

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

Other regulations

: The product is classified and labelled in accordance with EC directives or respective national laws.

## 16. OTHER INFORMATION

Print Date

: 13/01/2010

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

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

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

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