



The Chemical Company

## MATERIAL SAFETY DATA SHEET

PRODUCT(S): **STOMP AQUA**

DATE: 27/08/2009

VERSION: 1

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### 1. SUBSTANCE/PREPARATION AND COMPANY NAME

Product Name: **STOMP AQUA**

MAPP Number: 14664

Use: Agricultural/Horticultural Herbicide

Company: BASF plc  
PO Box 4, Earl Road  
Cheadle Hulme  
Cheadle  
Cheshire SK8 6QG

Tel: 0161 485 6222

Fax: 0161 486 0891

Emergency  
Information: 0049 1802 273112 (24 Hours freephone)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation: A capsule suspension formulation containing 455 g/l pendimethalin.

<u>Hazardous ingredients</u>	<u>EC No.</u>	<u>g/l</u>	<u>Symbol</u>	<u>R Phrases</u>
Pendimethalin	254-938-2	455	Xi, N	43, 50/53

### 3. HAZARDS IDENTIFICATION

DANGEROUS FOR THE ENVIRONMENT

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (R50/53)

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Format based on 91/155/EEC



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### 4. FIRST AID MEASURES

General advice: If a person thinks that they have been exposed to this product and feels unwell, call a doctor or take them to a hospital. Remove all contaminated clothing. Keep them at REST away from source of contamination. DO NOT ALLOW smoking or eating. First aider should avoid becoming contaminated and wear protective clothing if necessary.

Eye contact: Immediately irrigate affected eyes for at least 15 minutes under flowing water, with eyelids open.

Skin contact: Immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.

Ingestion: DO NOT INDUCE VOMITING. Wash out mouth with clean water. Seek medical attention immediately.

Inhalation: Keep person calm, remove to fresh air.

Unconsciousness: If danger of loss of consciousness, place person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

### GUIDE TO PHYSICIAN - general advice

Active ingredient group: Pendimethalin - dinitroaniline

Symptoms of accidental overexposure: Fatigue, excessive and unusual sweating, thirst, insomnia, weight loss.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to BASF at Cheadle.

- (i) Treatment should be symptomatic and supportive based on judgement of physician.
- (ii) If the product has been swallowed, gastric lavage with proper laryngeal control may be necessary. For ingestion of small quantities activated charcoal as an absorbent in a dosage of 30 grams in 100ml of water may be considered.
- (iii) Maintenance of ventilation and oxygen therapy to be used as required.
- (iv) If symptomatic therapy is indicated for control of restlessness, anxiety or convulsions, then Diazepam is recommended as the drug of choice.



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### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray, foam, dry chemical, carbon dioxide.
Possible harmful fumes in a fire:	Carbon monoxide, nitrogen oxides can be released. Avoid breathing smoke and fumes.
Protective equipment:	Use self-contained breathing apparatus and protective clothing.
Further information:	Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the DEFRA publication "Code of practice for using plant protection products."

### 6. ACCIDENTAL RELEASE MEASURES

If spilled:	Wear prescribed protective clothing. Clear spillage immediately. Contain spillage and absorb onto earth, sand or suitable absorbent material. Collect contaminated material and place in a marked container for disposal.  Thoroughly wash area of spillage. Dispose of contaminated materials as advised in the DEFRA publication "Code of practice for using plant protection products."  Wash thoroughly immediately after handling spillages, or at once if contaminated.
Personal protective equipment:	See Section 8.
Environmental precautions:	Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.



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### 7. HANDLING AND STORAGE

Handling:	No special measures are necessary. Avoid contact with skin and eyes. When using do not eat, drink or smoke.
Protection against fire and explosion:	Prevent electrostatic charge, sources of ignition should be kept well clear, fire extinguishes should be kept handy.
Storage:	Keep dry and frostproof in a suitable pesticide store. Keep away from heat and protect from direct sunlight. Protect from temperatures above 40°C. Store separately from food, drink and animal feed.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- (i) PRECAUTIONS (from product label)

#### **Operator protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.  
WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment  
However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.  
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves  
WASH CONCENTRATE from skin or eyes immediately.  
WASH HANDS AND EXPOSED SKIN before meals and after work.  
AVOID ALL CONTACT BY MOUTH.  
DO NOT BREATHE SPRAY.

#### **Environmental protection**

Extreme care should be taken to avoid damage by drift onto plants outside the target area.  
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).  
To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirement.



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### Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

Keep dry and frostproof in a suitable pesticide store.

### (ii) PERSONAL PROTECTIVE EQUIPMENT

In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and should be thoroughly washed after each operation.

The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the DEFRA publication "Code of practice for using plant protection products". Decontaminate all personal protective equipment after use. When this is not possible dispose of as hazardous waste.

### (iii) OCCUPATIONAL EXPOSURE LIMITS (OESs)

Hazardous ingredients

Long term  
exposure limit

Short term  
exposure limit

Not applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	microencapsulated, suspension
Colour:	dark orange
Odour:	faint odour, nutty
Flash point:	> 110°C
Density:	1.17 g/cm <sup>3</sup> (20°C)
Solubility in water:	dispersible (20°C)
pH:	7 – 8
Viscosity:	200 -500 mPa.s (20°C)

## 10. STABILITY AND REACTIVITY

Hazardous reactions: None provided product is correctly handled.

Substances to avoid: Strong oxidising agents.

Hazardous decomposition products: None if stored and handled correctly.



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### 11. TOXICOLOGICAL INFORMATION

\*Acute toxicity:

Ingestion: Low toxicity LD50 oral (rat): > 5000 mg/kg

Skin contact: Not irritating to skin LD50 dermal: (rat) > 5000 mg/kg

Inhalation: Unlikely to cause a problem LD50 inhalation (rat) 4hr: > 5.23 mg/l

Eye contact: Not irritating to eyes

Sensitising potential: No sensitising effect

potential:

\* derived from product of similar structure and composition.

### 12. ECOLOGICAL INFORMATION

Ecotoxic effects: Rainbow trout (*Oncorhynchus mykiss*) LC50 96h: > 100 mg/l

Daphnia EC/LC50 (48h): > 100 mg/l

Algae EC/LC50 (0-72 h): \*0.56 mg/l

\* derived from product of similar structure and composition.

### 13. DISPOSAL CONSIDERATIONS

Leaking containers: Damaged or leaking containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: Follow the directions given in the DEFRA publication "Code of practice for using plant protection products".

Disposal of diluted pesticide: Advice for the disposal or re-use of diluted pesticide is given in the DEFRA publication "code of practice for using plant protection products".



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### 14. TRANSPORT INFORMATION

UN Number : 3082  
Packing Group : III

#### **ROAD/RAIL**

ADR/RID Class : 9  
Description of goods : Environmentally hazardous substance, liquid, N.O.S. (contains pendimethalin)

#### **SEA**

IMDG Class : 9  
Description of goods : Environmentally hazardous substance, liquid, N.O.S. (contains pendimethalin)  
Marine pollutant.

#### **AIR**

ICAO/IATA Class : 9  
Description of goods : Environmentally hazardous substance, liquid, N.O.S. (contains pendimethalin)

Pack sizes : 10 litres  
No. per outer : 2

This product is subject to The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004 and their amendments.

### 15. REGULATORY INFORMATION

This product is approved under the Plant protection Products Regulations 1995.

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 2005 (CHIP 3.1).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH) if certain threshold quantities are exceeded.

Hazard classification(s) See Section 3

R-phrases See Section 3

S-phrases(s)

S2 KEEP OUT OF THE REACH OF CHILDREN  
S13 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS  
S20/21 WHEN USING DO NOT EAT, DRINK OR SMOKE

\ A backslash in the left hand margin indicates an amendment from the previous version.



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S35	THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY
S57	USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.
S37	WEAR SUITABLE PROTECTIVE GLOVES
S24	AVOID CONTACT WITH SKIN

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work.

### 16. OTHER INFORMATION

For further medical advice Doctors should contact the National Poisons Information Service.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407333 (24 hours).

Xi        IRRITANT  
N        DANGEROUS FOR THE ENVIRONMENT

R43        May cause sensitisation by skin contact.  
R50/53    Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

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Stomp Aqua (V1)