

**EMERGER SC600 4X5L BOT IE**Version 2 / IRL
102000016441/7
Revision Date: 22.08.2007
Print Date: 07.03.2008**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name EMERGER SC600 4X5L BOT IE
Product code (UVP) 05922585
Usage Herbicide
Company Bayer CropScience Ltd
Bayer Ltd
The Atrium, Blackthorn Road
Sandyford
Dublin 18
Ireland

Telephone +353-1-2999313
Responsible Department Email: ukinfo@bayercropscience.com

Emergency telephone number 1800-409-399

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Suspension concentrate (=flowable concentrate)(SC)
Aclonifen 600 g/l SC**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Aclonifen	74070-46-5 277-704-1	N	R50/53	49.60
Ethoxylated polyarylphenol	99734-09-5		R52/53	> 1.00 - < 25.00
1,2-Propanediol	57-55-6 200-338-0			> 1.00

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

4. FIRST AID MEASURES**General advice**

Remove contaminated clothing immediately and dispose of safely.

Inhalation

Move the victim to fresh air and keep at rest. If symptoms persist, call a physician.

Skin contact

Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400,



EMERGER SC600 4X5L BOT IE

Version 2 / IRL
10200001644

2/7
Revision Date: 22.08.2007
Print Date: 07.03.2008

subsequently rinse with water. Get medical attention if irritation develops and persists.

Eye contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Keep at rest. Obtain medical attention. Do NOT induce vomiting. Ingest activated charcoal.

Notes to Physician

Treatment

There is no specific antidote.
Initial treatment: symptomatic.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Extinguishing media which should not be used for safety reasons

High volume water jet

Specific hazards during fire fighting

In the event of fire the following can be released:
carbon monoxide (CO)
nitrogen oxides (NOx)
hydrogen chloride (HCl)

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
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.
Whenever possible, contain fire-fighting water by diking area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from and upwind of spill/leak.
Avoid contact with spilled product or contaminated surfaces.
When dealing with a spillage do not eat, drink or smoke.

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.

Methods for Cleaning Up

Recover the product by pumping, suction or absorption using a dry and inert absorbent clay.
Collect and transfer the product into a properly labelled and tightly closed container.
When picked up, treat material as prescribed in Ch. 13. "Disposal considerations".

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

**EMERGER SC600 4X5L BOT IE**Version 2 / IRL
102000016443/7
Revision Date: 22.08.2007
Print Date: 07.03.2008**7. HANDLING AND STORAGE****Handling**

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Use only in area provided with appropriate exhaust ventilation.

Storage

Requirements for storage areas and containers

Store in a place accessible by authorized persons only.

Protect from freezing.

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.

Storage stability

Other data

Storage temperature should ideally lie between 0 and 30 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

Suitable materials

High density polyethylene

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
1,2-Propanediol (Vapor and particulates.)	57-55-6	470 mg/m ³ / 150 ppm (TWA)	2002	ELV (IE)
1,2-Propanediol (Particulate.)	57-55-6	10 mg/m ³ (TWA)	2002	ELV (IE)

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.

**EMERGER SC600 4X5L BOT IE**Version 2 / IRL
1020000016444/7
Revision Date: 22.08.2007
Print Date: 07.03.2008

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.
Hygiene measures	When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands immediately after work, if necessary take a shower.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid, opaque
Colour	yellow

Safety data

pH	7.5 - 8.5 at 1 % (20 °C) suspension in water
Boiling point/ range	100 °C
Flash point	none
Density	approx. 1.2 g/cm ³ at 20 °C
Water solubility	dispersible

10. STABILITY AND REACTIVITY

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) 5,596 mg/kg
Acute Dermal Toxicity	LD50 (rat) > 2,000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)
Sensitization	Non-sensitizing. OECD Test Guideline 406, Buehler test

**EMERGER SC600 4X5L BOT IE**Version 2 / IRL
1020000016445/7
Revision Date: 22.08.2007
Print Date: 07.03.2008

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)**

Bioaccumulation Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 2,248
The value mentioned relates to the active ingredient aclonifen.

Ecotoxicity effects

Toxicity to Fish LC50 (Oncorhynchus mykiss (rainbow trout)) 1.27 mg/l
Exposure time: 96 h

Toxicity to daphnia EC50 (Water flea (Daphnia magna)) 2.4 mg/l
Exposure time: 48 h

Toxicity to algae IC50 (Selenastrum capricornutum) 0.016 mg/l
Exposure time: 96 h

13. DISPOSAL CONSIDERATIONS**Product**

It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.

Contaminated packaging

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.
Add washings to sprayer at time of filling.
Dispose of empty and cleaned packaging safely.
Follow advice on product label and/or leaflet.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

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. (ACLONIFEN SOLUTION)

IMDG

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

**EMERGER SC600 4X5L BOT IE**Version 2 / IRL
1020000016446/7
Revision Date: 22.08.2007
Print Date: 07.03.2008Marine pollutant
Description of the goodsMarine pollutant
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(ACLONIFEN SOLUTION)**IATA**UN-Number
Labels
Packaging group
Description of the goods**3082**
9
III
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(ACLONIFEN 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

Hazardous components which must be listed on the label:

- Aclonifen

Symbol(s)

N Dangerous for the environment

R-phrase(s)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate container to avoid environmental contamination.

The classification/labelling information below is that which has been approved under 'The European Communities (Authorization, placing on the market, use and control of Plant Protection products) Regulations 2003' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Symbol(s)

N Dangerous for the environment

R-phrase(s)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S 2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feedingstuffs.
S35 This material and its container must be disposed of in a safe way.
S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S57 Use appropriate container to avoid environmental contamination.
Do not contaminate ponds, waterways or ditches with chemical or used container.



EMERGER SC600 4X5L BOT IE

Version 2 / IRL
102000001644

7/7
Revision Date: 22.08.2007
Print Date: 07.03.2008

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

- | | |
|--------|--|
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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.
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