

SAFETY DATA SHEET
EU Regulation No. 1907/2006,
Annex II

Page : 1

Revised edition no : 8

Date : 28 / 4 / 2014

Supersedes : 13 / 12 / 2012

Seizer 100 EC

R-10854.G

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Seizer 100 EC
Chemical formula : C23H22CIF3O2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Insecticide
Uses advised against : None under normal conditions.

1.3. Details of the supplier of the safety data sheet

ADAMA SOUTH AFRICA (PTY) LTD
21 Viben Street
Brackenfell 7560
Email : msds@mcw.co.il

1.4. Emergency telephone number

+27 82 331 6463
+27 21 982 1460

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification 67/548/EEC (DSD) - 1999/45/EC (DPD)

: Xn; R22-R65
: Xi; R36/38
: N; R51-53

2.2. Label elements

Labelling 1999/45/EC (DPD)

Symbol(s)



: Xn : Harmful.
: N : Dangerous for the environment.

R Phrase(s)

: R22 - Harmful if swallowed.
: R36/38 - Irritating to eyes and skin.
: R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
: R65 - Harmful : may cause lung damage if swallowed.

S Phrase(s)

: S13 - Keep away from food, drink and animal feedingstuffs.
: S20 - When using do not eat or drink.
: S24/25 - Avoid contact with skin and eyes.
: S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
: S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
: S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.
: S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

2.3. Other hazards

Other hazards : None under normal conditions.

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SECTION 3. Composition/information on ingredients

Components : This product is considered to be hazardous and contains hazardous components.

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Bifenthrin	100 g/l	82657-04-3	----	----	----	Not classified (DSD/DPD) Not classified (GHS)
Solvesso 150	ca 70 %	64742-94-5	265-198-5	649-424-00-3	----	Xn; R65 Asp. Tox 1 - H304
Alkylaryl sulfonates	3 %	----	----	----	----	Xi; R36/38 Eye irrit 2 - H319 Skin Irrit. 2 - H315

Text of R/H-Phrases - Sec. 16

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
- Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Consult a doctor in the event of any complaints.
- Eye contact** : Wash off with plenty of water .
Consult an eye specialist.
- Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Immediately get medical attention. If ingested perform gastric lavage and administer activated charcoal.

4.2. Most important symptoms and effects, both acute and delayed

- : Coughing ,
symptoms skin .
Irritating to chemical pneumonitis , of High doses may result in mucous membranes
bronchospasm , and central nervous system . shortness of breath , May cause damage to
lung oedema . liver .
- Ingestion** : stomach ache , vomiting , Nausea , diarrhoea .
- Eye contact** : Redness , conjunctivitis .

4.3. Indication of any immediate medical attention and special treatment needed

- : Redness , dermatitis .
- Note to physician** : There is no specific antidote. Treat symptomatically and give supportive therapy.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media** : For small fire : dry chemical , carbon dioxide .
For large fire: water spray , water fog , foam .

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Thermal decomposition generates : carbon dioxide , carbon dioxide ,
hydrogen chloride , HF .

5.3. Advice for fire-fighters

- Protection against fire** : Wear suitable protective clothing. Self-contained breathing apparatus. Move containers away from fire without risk .
- Special procedures** : Fight fires from a protected location . Dike fire control water for later disposal.
Do not discharge into the environment .

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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Use appropriate protection (see section 8).

6.2. Environmental precautions

Environmental precautions : Dispose of this material and its container at hazardous or special waste collection point. If the product has contaminated surface water, inform the appropriate authorities.

6.3. Methods and material for containment and cleaning up

Clean up methods : Use appropriate container to avoid environmental contamination. Collect spilled material. .
Absorb in sand or other inert material .

6.4. Reference to other sections

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Wear suitable protective clothing Use breathing apparatus.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep locked up Keep container tightly closed. Keep only in the original container in a cool, well ventilated place.

7.3. Specific end use(s)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

No occupational exposure limits have been established .

: Wash hands thoroughly after handling. Wash clothing before re-using.

Personal protection

- Respiratory protection : During spraying wear suitable respiratory equipment.
- Hand protection : Wear suitable gloves.
- Skin protection : Wear protective clothing .
- Eye protection : Chemical goggles or safety glasses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Liquid
Colour : Clear - Yellowish
Odour : Slight aromatic
Odour threshold : Data not available.
pH : Data not available.
Melting point / Freezing point : Data not available.
Initial boiling point - boiling range : Data not available.
Flash point : 67
Evaporation rate : Data not available.
Flammability : Data not available.
Explosion limits (lower - upper) : Data not available.
Vapour pressure : Data not available.

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SECTION 9. Physical and chemical properties (continued)

Vapour density : Data not available.
Relative density : 0.915-0.925 g/ml
Solubility : Data not available.
Partition coefficient : n-octanol / water : Data not available.
Auto-ignition temperature : Data not available.
Decomposition temperature : Data not available.
Viscosity : Data not available.
Explosive Properties : Data not available.
Oxidising properties : Data not available.

9.2. Other information

Molecular weight : Bifenthrin : 422.9

SECTION 10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Combustible . If involved in fire: Emits Hazardous thermal (de)composition products .

10.4. Conditions to avoid

Conditions to avoid : Excessive heat and fire .

10.5. Incompatible materials

Materials to avoid : Avoid contact with : oxidizing agents .

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition generates : carbon dioxide , carbon monoxide , hydrogen chloride , HF , smoke .

SECTION 11. Toxicological information

11.1. Information on toxicological effects

- Acute toxicity
 - Oral, Rat LD50 (mg/kg) : 300 < LD50 < 2000
 - Dermal, Rat LD50 [mg/kg] : >4000
 - Inhalation, Rat LC50 [mg/l/4h] : >5.25
- Skin corrosion/irritation : Xi : Irritant
- Serious eye damage/irritation : Xi : Irritant
- Respiratory or skin sensitisation : Guinea pig maximization test: Non sensitizer
- Germ cell mutagenicity
- Carcinogenicity : Not carcinogenic
- Reproductive toxicity : Not teratogenic in animal experiments
- STOT-single exposure : Not available
- STOT-repeated exposure : Not available
- Aspiration hazard : Not available

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SECTION 12. Ecological information

On product : The data below are for Bifenthrin Tech.:

12.1. Toxicity

Acute toxicity

96 H-LC50 - Rainbow trout [$\mu\text{g/l}$] : 0.15
48 H-LC50 - Daphnia magna [$\mu\text{g/l}$] : 0.16
Birds LC50 [mg/kg] : 1800 (Bobwhite quail)
LD50 Birds [mg/kg] : >2150 (Mallard duck)

Long-term exposure

12.2. Persistence - degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

: Not available

12.6. Other adverse effects

: None known.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

General : Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14. Transport information

14.1. UN number

UN N° : 3082

Hazard Label(s)



14.2. UN proper shipping name

• Land transport - ADR/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (100 g/l Bifenthrin)
• Sea transport - IMO-IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (100 g/l Bifenthrin)
• Air transport - ICAO/IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (100 g/l Bifenthrin)

14.3. Transport hazard class(es)

• Land transport - ADR/RID : 9
• Sea transport - IMO-IMDG : 9
• Air transport - ICAO/IATA : 9

14.4. Packing group

• Land transport - ADR/RID : III
• Sea transport - IMO-IMDG : III
• Air transport - ICAO/IATA : III

14.5. Environmental hazards

- IMDG-Marine pollution : Marine pollutant - Polluant marin

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SECTION 14. Transport information (continued)

14.6. Special precautions for user

: See transport documents.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: Not applicable.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

: Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

: Not applicable

SECTION 16. Other information

List of relevant R phrases (heading 3) : *R36/38 - Irritating to eyes and skin.*
R65 - Harmful : may cause lung damage if swallowed.

List of relevant H phrases (Section 3) : *H304 - May be fatal if swallowed and enters airways.*
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

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