

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

Page : 1

Revised edition no : 8

Date : 13 / 12 / 2012

Supersedes : 26 / 11 / 2012

Soprano 125 SC

R-20465

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

1.1. Product identifier

Trade name : Soprano 125 SC
Chemical formula : Epoxiconazole : C17H13ClFN3O

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

Relevant identified uses : Fungicide
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)

: Carc. Cat. 3; R40
: Repr. Cat. 3; R62-63
: Xn; R65
: N; R50-53

2.2. Label elements

Labelling 1999/45/EC (DPD)

Symbol(s)



R Phrase(s)

S Phrase(s)

: Xn : Harmful.
: N : Dangerous for the environment.
: R40 - Limited evidence of a carcinogenic effect.
: R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
: R62 - Possible risk of impaired fertility.
: R63 - Possible risk of harm to the unborn child.
: R65 - Harmful : may cause lung damage if swallowed.
: S13 - Keep away from food, drink and animal feedingstuffs.
: S35 - This material and its container must be disposed of in a safe way.
: S36/37 - Wear suitable protective clothing and gloves.
: 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
Epoxiconazole	: 125 g/l	133855-98-8	406-850-2	613-175-00-9	----	Carc. Cat. 3; R40 Repr. Cat. 3; R62 Repr. Cat. 3; R63 N; R51-53 ----- Carc. 2 - H351 Repr. 2 - H361fd Aquatic Chronic 2 - H411
Alkoxylated fatty alcohol	: > 10 %	68002-96-0	-----	-----	----	T; R23 N; R50 ----- Acute Tox. 3 - H331 Aquatic Acute 1 - H400
Solvesso 200	: > 10 %	64742-94-5	265-198-5	649-424-00-3	----	Xn; R65 ----- Asp. Tox 1 - H304
Methanol	: 0.08 - 0.15 %	67-56-1	200-659-6	603-001-00-X	----	F; R11 T; R23/24/25-39/23/24/25 ----- Flam. Liq. 2 - H225 Acute Tox. 2 - H310 Acute Tox. 3 - H331 Acute Tox. 3 - H301 STOT SE 1 - H370

Text of R/H-Phrases - Sec. 16

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. If you feel unwell, seek medical advice.

Skin contact

: Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Consult a doctor.

Eye contact

: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Immediately consult an eye specialist.

Ingestion

: Do not induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Consult a doctor.

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

: Not available

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

Note to physician

: No specific antidote known. Treat symptomatically and give supportive therapy.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray , water fog , foam .

5.2. Special hazards arising from the substance or mixture

Specific hazards : Thermal decomposition may generate : carbon monoxide , carbon dioxide , nitrogen oxides , hydrogen chloride , HF .

5.3. Advice for fire-fighters

Protection against fire

: Wear suitable protective clothing. Self-contained breathing apparatus.

Special procedures

: Fight fires from a protected location . Dike fire control water for later disposal.

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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 in accordance with national and regional regulations . If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers have to be dug out.

6.3. Methods and material for containment and cleaning up

Clean up methods : In the event of minor spillage: Absorb in sand or other inert material . Use appropriate container to avoid environmental contamination.
In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

6.4. Reference to other sections

: See section 8

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Do not breathe fumes. Avoid contact with skin and eyes.

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 (<50 °C)

7.3. Specific end use(s)

: Not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

TLV© : Epoxiconazole : Not established

8.2. Exposure controls

: Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . 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 and chemical resistant boots .
- Eye protection : Safety goggles or face shield

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state at 20 °C : Liquid

Colour : White

Odour : characteristic

Odour threshold : Not available

pH : 6.5-8.5 at a temperature of 20 °C

Melting point / Freezing point

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SECTION 9. Physical and chemical properties (continued)

Melting point [°C]	: Epoxiconazole : 136.1-137.6°C
Initial boiling point - boiling range	: Not available
Flash point	: > 100 °C
Evaporation rate	: Not available
Flammability	: Not flammable
Explosion limits (lower - upper)	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: 1.03 - 1.05
Solubility	: Dispersible
Partition coefficient : n-octanol / water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
Explosive Properties	: Not explosive
Oxidising properties	: Not available

9.2. Other information

Molecular weight	: Epoxiconazole : 329.8
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SECTION 10. Stability and reactivity

10.1. Reactivity

Reactivity	: Not available
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10.2. Chemical stability

Chemical stability	: Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	: Avoid contact with : strong bases and strong bases .
Hazardous polymerization	: Will not occur.

10.4. Conditions to avoid

Conditions to avoid	: Protect from sunlight , open flame and sources of heat . Decomposes upon heating.
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10.5. Incompatible materials

Materials to avoid	: Strong acids, bases.
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10.6. Hazardous decomposition products

Hazardous decomposition products	: Thermal decomposition may generate : carbon dioxide , carbon monoxide , nitrogen oxides , hydrogen chloride , HF ,
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SECTION 11. Toxicological information

11.1. Information on toxicological effects

No toxicological information is known on the product. For a similar formulation containing 125 g/l Epoxiconazole:

- Acute toxicity
 - Oral, Rat LD50 (mg/kg) : > 2000
 - Dermal, Rat LD50 [mg/kg] : > 2000
 - Inhalation, Rat LC50 [mg/l/4h] : > 5.00
- Skin corrosion/irritation : Not irritant
- Serious eye damage/irritation : Not irritant

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SECTION 11. Toxicological information (continued)

- **Respiratory or skin sensitisation** : Guinea pig maximization test: Non sensitizer
- **Germ cell mutagenicity** : Not mutagenetic.
- **Carcinogenicity** : Limited evidence of a carcinogenic effect.
- **Reproductive toxicity** : Possible risk of impaired fertility.
Possible risk of harm to the unborn child.

- **STOT-single exposure** : Not available
- **STOT-repeated exposure** : Not available
- **Aspiration hazard** : Not available

SECTION 12. Ecological information

12.1. Toxicity

Ecological effects information : No ecological information is known on the product. For a similar formulation : containing 125 g/l Epoxiconazole:

Acute toxicity

96 H-LC50 - Rainbow trout [mg/l] : 7.8
96 H-LC50 - Carp [mg/l] : 11.4
48 H-LC50-Daphnia magna [mg/l] : 17
72 H-EbC50 - Algae [mg/l] : 0.28
72 H-ErC50 - Algae [mg/l] : 7

Long-term exposure

: Not available

12.2. Persistence - degradability

: Not available

12.3. Bioaccumulative potential

: Not available

12.4. Mobility in soil

: Not available

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 in a safe manner in accordance with local/national regulations.

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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. (125 g/l EPOXICONAZOLE)
- Sea transport - IMO-IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (125 g/l EPOXICONAZOLE)
- Air transport - ICAO/IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (125 g/l EPOXICONAZOLE)

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

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) :
- R11 - Highly flammable.
 - R23 - Toxic by inhalation.
 - R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
 - R39/23/24/25 - Toxic : danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
 - R40 - Limited evidence of a carcinogenic effect.
 - R50 - Very toxic to aquatic organisms.
 - R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R62 - Possible risk of impaired fertility.
 - R63 - Possible risk of harm to the unborn child.
 - R65 - Harmful : may cause lung damage if swallowed.

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SECTION 16. Other information (continued)

List of relevant H phrases (Section 3) : *H225 - Highly flammable liquid and vapour.*
H301 - Toxic if swallowed.
H304 - May be fatal if swallowed and enters airways.
H310 - Fatal in contact with skin.
H331 - Toxic if inhaled.
H351 - Suspected of causing cancer
H361fd - Suspected of damaging fertility or the unborn child.
H370 - Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

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Recommended uses and restrictions : None.

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