

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

Page : 1

Revised edition no : 4

Date : 11 / 4 / 2013

Supersedes : 26 / 7 / 2011

Agadi 800 WG

R-20460.SO

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

1.1. Product identifier

Trade name : Agadi 800 WG
Chemical formula : Fipronil : C₁₂H₄Cl₂F₆N₄O₅

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
N; R50-53

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

S Phrase(s)

: S02 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using, do not eat, drink or smoke.
S36/37 - Wear suitable protective clothing and gloves.
S38 - In case of insufficient ventilation, wear suitable respiratory equipment.
S51 - Use only in well-ventilated areas.
S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

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
Fipronil	80 %	120068-37-3	-----	608-055-00-8	----	T; R23/25 N; R50-53 (M fact. = 10) ----- Acute Tox. 3 - H331 Acute Tox. 3 - H301 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

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 breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.
- Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Immediately get medical attention.
- Eye contact** : Wash off with plenty of water. 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. Immediately get medical attention.

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. If ingested perform gastric lavage and administer activated charcoal.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Thermal decomposition may generate : carbon monoxide , carbon dioxide , hydrogen chloride , nitrogen oxides , sulfides , fluorine compounds .

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.

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** : Avoid generation of dust . Collect spilled material with shovel, place into a clean container and cover container loosely . During cleaning activity, shut off ignition sources .

6.4. Reference to other sections

: See section 8

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SECTION 6. Accidental release measures (continued)

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Dust explosion hazards . Avoid generation of dust . Do not breathe dust. Avoid contact with skin and eyes. Avoid vigorous shaking of the bag when emptying the content .

7.2. Conditions for safe storage, including any incompatibilities

Packing : Woven polypropylene big bags .
Low density polyethylene open mouth bags .
Low density polyethylene valve bags .

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

7.3. Specific end use(s)

: Not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

: Not available

8.2. Exposure controls

- : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . Wash clothing before re-using. Wash hands thoroughly after handling.
- **Respiratory protection** : During spraying wear suitable respiratory equipment.
 - **Hand protection** : Wear suitable gloves.
 - **Skin protection** : Wear suitable protective clothing and chemical resistant boots .
 - **Eye protection** : Chemical goggles or safety glasses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state at 20 °C : solid - Granules

Colour : Beige

Odour : Practically odourless

Odour threshold : Not available

pH : 9 -10

Melting point / Freezing point : Melting Point , Fipronil : 203 - 205

Initial boiling point - boiling range : Not available

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability : Not flammable

Explosion limits (lower - upper) : Not available

Vapour pressure : Not available

Vapour density : Not available

Relative density : Bulk density , Fipronil : 0.65-0.68

Solubility : Not available

Partition coefficient : n-octanol / water : Fipronil : 4.23

Auto-ignition temperature : Not available

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SECTION 9. Physical and chemical properties (continued)

Decomposition temperature : Not available
Viscosity : Not applicable
Explosive Properties : Not explosive
Oxidising properties : Not available

9.2. Other information

: Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

: None known.

10.2. Chemical stability

Chemical stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization : Will not occur.

10.4. Conditions to avoid

Conditions to avoid : Protect from sunlight , sources of heat , open flame , moisture .

10.5. Incompatible materials

Materials to avoid : Not available

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition may generate : carbon dioxide , carbon monoxide , hydrogen chloride , nitrogen oxides , fluorine compounds .

SECTION 11. Toxicological information

11.1. Information on toxicological effects

- Acute toxicity
 - Oral, Rat LD50 (mg/kg) : 200 - 2000
 - Dermal, Rat LD50 [mg/kg] : > 2000
 - Inhalation, Rat LC50 [mg/l/4h] : Not applicable
- Skin corrosion/irritation : Not irritating
- Serious eye damage/irritation : Not irritating
- Respiratory or skin sensitisation : Guinea pig maximization test: Non sensitizer .
- Germ cell mutagenicity : Not mutagenic
- Carcinogenicity : Not carcinogenic (mice). Fipronil induced tumors in rats at high dose levels. This mechanism of tumor induction is specific to the rat. Fipronil is not considered to present a carcinogenic risk to humans.
- 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

12.1. Toxicity

Acute toxicity

96 H-LC50 - Rainbow trout [mg/l] : 0.173
48 H-EC50 - Daphnia magna [mg/l] : 0.109
72 H-EC50 - Algae [mg/l] : 0.24
Bees LD50 [µg] : Very toxic to bees (Contact & oral)
LC50 Earthworms [mg/kg soil] : > 1000

Long-term exposure

: Not available

12.2. Persistence - degradability

Persistence - degradability : Not readily biodegradable. (Soil)

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

: Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

14.1. UN number

UN N° : 2588
Hazard Label(s)



: 6.1 : Toxic substances.
9 : Miscellaneous dangerous substances and articles.

14.2. UN proper shipping name

• Land transport - ADR/RID : PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil)
• Sea transport - IMO-IMDG : PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil)
• Air transport - ICAO/IATA : PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil)

14.3. Transport hazard class(es)

• Land transport - ADR/RID : 6.1
• Sea transport - IMO-IMDG : 6.1
• Air transport - ICAO/IATA : 6.1

14.4. Packing group

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SECTION 14. Transport information (continued)

- 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.
This product is provisionally labelled by the supplier in accordance to the EU regulations:

15.2. Chemical Safety Assessment

- : Not applicable

SECTION 16. Other information

*List of relevant R phrases (heading 3) : R23/25 - Toxic by inhalation and if swallowed.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*List of relevant H phrases (Section 3) : H301 - Toxic if swallowed.
H331 - Toxic if inhaled.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.*

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Recommended uses and restrictions : None.

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