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		Revised edition no : 2
		Date : 26 / 5 / 2014
		Supersedes : 28 / 7 / 2005
<b>BUNGY 1.5 SC</b>		<b>R-10256.IT</b>

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

**Trade name** : BUNGY 1.5 SC  
**Product code** : R-10256.IT  
**Chemical formula** : Deltamethrin : C<sub>22</sub>H<sub>19</sub>Br<sub>2</sub>NO<sub>3</sub>  
**Type of product** : Insecticide  
**Relevant identified uses** : Insecticide  
**Producer** : ADAMA SOUTH AFRICA (PTY) LTD  
21 Viben Street  
Brackenfell 7560  
**Phone nr** : +27 82 331 6463  
+27 21 982 1460

### SECTION 2. Hazards identification

**Environmental hazard** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### SECTION 3. Composition/information on ingredients

**Components** : This product is not considered to be hazardous but contains hazardous components.

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Deltamethrin (ISO)	1.5 %	52918-63-5	258-256-6	607-319-00-X	----	T; R23/25 N; R50-53 (M fact. = 1000000)

### SECTION 4. 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. 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** : 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. Obtain medical attention.

**Eye contact** : Redness , tears .

**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

**Suitable extinguishing media** : Not flammable . If involved in fire: suitable extinguishing media - water spray , water fog , foam .

**Specific hazards** : Thermal decomposition generates : carbon monoxide , carbon dioxide , nitrogen oxides , hydrogen bromide , bromides .

**Protection against fire** : Wear suitable protective clothing. Self-contained breathing apparatus.

**Special procedures** : Fight fires from a protected location . Move containers away from fire without risk . Dike fire control water for later disposal. Cool exposed containers with water spray.

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### SECTION 6. Accidental release measures

- For emergency responders** : Use appropriate protection (see section 8).  
During cleaning activity, shut off ignition sources .
- 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. Contaminated soil layers have to be dug out.
- Clean up methods** : In the event of minor spillage: Absorb in sand or other inert material . Use appropriate containment 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.

### SECTION 7. Handling and storage

- Handling** : Do not breath fumes . Avoid contact with skin and eyes.
- Storage** : Keep locked up . Keep container tightly closed. Keep only in the original container in a cool, well ventilated place. Keep at temperature not exceeding < 50 °C . Keep container dry .

### SECTION 8. Exposure controls/personal protection

- Deltamethrin : Not established .
- : Ventilation required. 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 suitable protective clothing and chemical resistant boots .
  - **Eye protection** : Chemical goggles or face shield.

### SECTION 9. Physical and chemical properties

- Physical state at 20 °C** : Liquid ( Aqueous solution )
- Colour** : Off-white
- Odour** : characteristic
- pH value** : 4.6
- Melting point [°C]** : Deltamethrin : 98 - 102
- Specific gravity** : 0.95 - 0.97
- Solubility in water** : Deltamethrin : 2 ppb

### SECTION 10. Stability and reactivity

- Chemical stability** : Stable under normal conditions.
- Hazardous decomposition products** : Thermal decomposition may generate : carbon monoxide , carbon dioxide , nitrogen oxides , Hydrogen bromide , bromides .
- Hazardous polymerization** : Will not occur.
- Conditions to avoid** : Protect from sunlight , open flame and sources of heat . Decomposes upon heating.

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## SECTION 11. Toxicological information

- Rat oral LD50 [mg/kg]	: 22,700 ( male ) 22,000 ( female )
- Dermal, Rat LD50 [mg/kg]	: Deltamethrin Technical: > 2000
- Rat inhalation LC50 [mg/l/4h]	: Not applicable
Dermal irritation (rabbit)	: Not irritant
Eyes irritation (rabbit)	: Not irritant
Sensitization	: Guinea pig maximization test: Non sensitizer
Carcinogenicity	: Deltamethrin : Not carcinogenic

## SECTION 12. Ecological information

Ecological effects information	: The data below are for Deltamethrin Tec. 98 %:
LC50 - fish [mg/l]	: 0.001 - 0.01
LD50 Birds [mg/kg]	: > 5000 ( Mallard duck )
Birds LC50 [mg/kg]	: 10000 ( Bobwhite quail )

## SECTION 13. Disposal considerations

General	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
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## SECTION 14. Transport information

General information	: Not classified.
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## SECTION 15. Regulatory information

EU Classification	: EU Classification
R Phrase(s)	: R52/53 - Harmful 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. S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

## 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.

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Recommended uses and restrictions : None.

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