



# SAFETY DATA SHEET

## Rimon fast 100 SC

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### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

## Rimon fast 100 SC

Synonyms

Novaluron 50 Bifenthrin 50 SC

Pure substance/mixture

Mixture

#### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Insecticide

Uses advised against

No information available

#### Details of the supplier of the safety data sheet

Supplier Address

ADAMA SOUTH AFRICA (PTY) LTD  
Ground Floor, Simeka House  
The Vineyards Office Estate  
99 Jip de Jager Drive  
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### Section 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Acute toxicity - Oral

Category 4 - (H302)

Acute aquatic toxicity

Category 1 - (H400)

Chronic aquatic toxicity

Category 1 - (H410)

#### Label Elements

Hazard pictograms



**Signal word**

Warning

**Hazard Statements**

H302 - Harmful if swallowed  
H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements**

P102 - Keep out of reach of children  
P270 - Do not eat, drink or smoke when using this product  
P501 - Dispose of contents/ container to an approved waste disposal plant

**Other Hazards**

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Name	Weight-%	CAS No	EC No	GHS Classification	M-Factor
Novaluron	4 - 6	116714-46-6		Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	M=1 M=1000
Bifenthrin	4 - 6	82657-04-3		Acute Tox. 3 (H301) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	M=10000 M=100000
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[tris(1- phenylethyl)phenoxy -, ammonium salt	1 - 2	119432-41-6		Aquatic Chronic 3 (H412)	

### Section 4: FIRST AID MEASURES

**First aid measures**

**General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.

**Inhalation**

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## Section 5: FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**Special hazards arising from the substance or mixture**

No specific hazard known.

**Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus  
In the event of fire and/or explosion do not breathe fumes.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Use only with adequate ventilation.

**For emergency responders**

Use personal protection recommended in Section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

**Reference to other sections**

**Other Information**

See also section 8,13

## Section 7: HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling**

Use only with adequate ventilation.

### General Hygiene Considerations

Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

### Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

### Specific end use(s)

### Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### National occupational exposure limits

### Exposure controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

##### Eye/face protection

Tight sealing safety goggles.

##### Hand Protection

Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

##### Body Protection

Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

##### Respiratory protection

Use only with adequate ventilation.

#### General Hygiene Considerations

Do not eat, drink or smoke when using this product.

#### Environmental exposure controls

No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Property	Values	Method	Remarks
Appearance			
Physical state	: Liquid		
Color	: white to light pink		
Odor	: characteristic		
Odor threshold	: No data available		
pH	: 5.5 - 6.5	CIPAC MT 75	1 %; 22 °C
Melting point/freezing point °C	: ----		Not Applicable
Boiling point/boiling range °C	: 130	CIPAC MT 12	
Flash point °C	: ----	CIPAC MT 12, CC (closed cup)	Not flammable
Evaporation rate	: ----		No data available
Flammability (solid, gas)	: Not applicable for liquids		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: ----		Not Applicable
Vapor density	: No data available		

Relative density	: 1.0 - 1.1	OECD 109	24 °C
Solubility(ies) mg/l	: ----		Not Applicable
Partition Coefficient (n-octanol/water) Log Pow	:		See Section 12 for more information
Autoignition temperature °C	: ----		No data available
Decomposition temperature °C	: No data available		
Kinematic viscosity mm <sup>2</sup> /s 40 °C	: 595	OECD 114	23 °C
Explosive properties	: Not an explosive	OPPTS 830.6316	
Oxidizing properties	: No data available		
<b>Other Information</b>			
Bulk density g/ml	: ----		Not Applicable
Surface tension mN/m	: ----		No data available

## Section 10: STABILITY AND REACTIVITY

### Reactivity

Not available.

### Chemical stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible Materials

No information available

### Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGY INFORMATION

### Information on toxicological effects

#### Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: 310.2	Rat	OECD 425	
Dermal LD50 mg/kg	: > 2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	: > 1.54	Rat	OECD 403	Maximum attainable concentration

Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Weak Skin sensitizer	Guinea pig	OECD 406, (M&K test)	

#### Chronic toxicity

#### Germ cell mutagenicity

Chemical Name	
Novaluron	: Not classified

Bifenthrin : Not classified

**Carcinogenicity****Chemical Name**

Novaluron : Not Carcinogenic  
Bifenthrin : Not classified

**Reproductive toxicity****Chemical Name**

Novaluron : Not toxic for the reproductive system  
Bifenthrin : Not classified

**STOT - single exposure****Chemical Name**

Novaluron : No data available  
Bifenthrin : No data available

**STOT - repeated exposure****Chemical Name**

Novaluron : No data available  
Bifenthrin : No data available

**Aspiration hazard****Chemical Name**

Novaluron : No data available  
Bifenthrin : No data available

**Section 12: ECOLOGICAL INFORMATION****Toxicity****Aquatic toxicity**

<b>Acute toxicity</b>	<b><u>Values</u></b>	<b><u>Species</u></b>	<b><u>Method</u></b>	<b><u>Remarks</u></b>
<b>Fish 96-hour LC50 mg/l</b>	: 42.40	Poecilia reticulata	OECD 203	
<b>Crustacea 48-hour EC50 mg/l</b>	: 0.00028	Daphnia magna	OECD 202	
<b>Algae 72-hour EC50 mg/l</b>	: 88.34	Selenastrum capricornutum	OECD 201	

**Other plants EC50 mg/l** : ---- No data available

<b>Chronic aquatic toxicity</b>	<b><u>Values</u></b>	<b><u>Species</u></b>	<b><u>Method</u></b>	<b><u>Remarks</u></b>
<b>Fish NOEC mg/l</b>	:			
<b>Crustacea NOEC mg/l</b>	:			
<b>Algae NOEC mg/l</b>	:			
<b>Other plants NOEC mg/l</b>	:			

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical Name**

Novaluron	: > 2000	Bobwhite quail	US EPA 71-1
Bifenthrin	: 1800	Bobwhite quail	EPA-OPPTS 850.2100

**Bees Oral LD50 µg/bee****Chemical Name**

Novaluron	: > 100	Apis mellifera	EPPO 170
Bifenthrin	: 0.39		OECD 213, OECD 214 Oral

**Persistence and degradability**

<b>Abiotic Degradation</b>	<b><u>Values</u></b>	<b><u>Method</u></b>	<b><u>Remarks</u></b>
<b>Water DT50 days</b>			
<b>Chemical Name</b>			
Novaluron	: ----		No data available
Bifenthrin	: 161.1		
<b>Soil DT50 days</b>			
<b>Chemical Name</b>			
Novaluron	: ----		No data available
Bifenthrin	: 86.8		Field
<b>Biodegradation</b>			
<b>Chemical Name</b>			
Novaluron	: No data available		
Bifenthrin	: No data available		
<b><u>Bioaccumulative potential</u></b>			
<b>Partition Coefficient (n-octanol/water) Partition Coefficient (n-octanol/water) Log Pow</b>	<b><u>Values</u></b>	<b><u>Method</u></b>	<b><u>Remarks</u></b>
<b>Chemical Name</b>			
Novaluron	: 4.3	OECD 107	
Bifenthrin	: > 6.71	OECD 107	
<b>Bioconcentration factor (BCF)</b>			
<b>Chemical Name</b>			
Novaluron	: ----		No data available
Bifenthrin	: 417	OECD 305	
<b><u>Mobility in soil</u></b>			
<b>Adsorption/Desorption</b>	<b><u>Values</u></b>	<b><u>Method</u></b>	<b><u>Remarks</u></b>
<b>Chemical Name</b>			
Novaluron	: 9598		Koc
Bifenthrin	: 236,610		Koc, Not mobile

**Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**Other adverse effects**

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

#### IMDG/IMO

UN/ID No \* 3082  
 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Novaluron, Bifenthrin )  
 Hazard Class 9  
 Packing Group III  
 Marine pollutant Yes  
 Special precautions for user

#### RID/ADR

UN/ID No \* 3082  
 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Novaluron, Bifenthrin )  
 Hazard Class 9  
 Packing Group III  
 Environmental hazard Yes  
 Special precautions for user

#### ICAO/IATA

UN/ID No \* 3082  
 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Novaluron, Bifenthrin )  
 Hazard Class 9  
 Packing Group III  
 Environmental hazard Yes  
 Special precautions for user  
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable



\* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

## Section 15: REGULATORY INFORMATION

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

## Section 16: OTHER INFORMATION

#### Revision Note

Changes made to the last version are labeled with this sign \*\*\*.

#### List of Acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 CAS Number - Chemical Abstracts Service number  
 EC Number - EINECS and ELINCS Number  
 EINECS - European Inventory of Existing Commercial Substances  
 ELINCS - European List of notified Chemical Substances  
 IATA - International Air Transport Association  
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative

#### **Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**