

Bifenthrin 50 Rimon 50 SC

R-26314.SO

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : Bifenthrin 50 Rimon 50 SC
Common name of active ingredients : Novaluron, Bifenthrin
Chemical formula : Novaluron : C17H9ClF8N2O4
Bifenthrin : C23H22ClF3O2
Use : Insecticide
Company identification : Makhteshim Chemical Works Ltd.
PO Box 60
Beer Sheva 84100 Israel.
Fax : +972-8-6296848
MSDS@ma-industries.com
Emergency phone nr : 972-3-6106666 Subscription no. 36789 (Makhteshim)

2. HAZARDS IDENTIFICATION

Human health hazards : Harmful if swallowed.
May cause sensitization by skin contact.
Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxic to bees

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Bifenthrin	: 50 g/l	82657-04-3	----	----	----
Novaluron	: 50 g/l	116714-46-6	----	----	----
Polyarylphenyl ether sulphate ammonium salt	: > 1 %	119432-41-6	----	----	Xi; R36 R52-53

4. FIRST AID MEASURES

First aid
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.
Ingestion : Do not induce vomiting. Wash out mouth with plenty of water. Immediately get medical attention.
Skin contact : Remove contaminated clothing and shoes. Wash off with plenty of water and soap. 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. Consult an eye specialist.
Note to physician : There is no specific antidote. Treat symptomatically and give supportive therapy.

5. FIRE-FIGHTING MEASURES

Extinguishing media : For small fire : dry chemical , carbon dioxide .
For large fire: water spray , water fog , foam .
Special procedures : Fight fires from a protected location . Dike fire control water for later disposal.
Do not discharge into the environment.
Special exposure hazards : Carbon monoxide , carbon dioxide , hydrogen chloride , HF , nitrogen oxides .

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5. FIRE-FIGHTING MEASURES (continued)

Protection against fire : Wear suitable protective clothing . Self-contained breathing apparatus. Move containers away from fire without risk .

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use appropriate protection (see section 8).
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.
After spillage and/or leakage : Use appropriate container to avoid environmental contamination. Clean up any spills as soon as possible, using an absorbent material to collect it. . Absorb in sand or other inert material .

7. HANDLING AND STORAGE

Handling : Wear suitable protective clothing . Use breathing apparatus.
Storage : Keep locked up. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial hygiene : Wash hands thoroughly after handling. Wash clothing before re-using.
Personal protection
- **Respiratory protection** : During spraying wear suitable respiratory equipment.
- **Skin protection** : Wear protective clothing .
- **Hand protection** : Wear suitable gloves.
- **Eye protection** : Chemical goggles or safety glasses.
Occupational Exposure Limits : No occupational exposure limits have been established .

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Colour : White to amber
Odour : characteristic
pH value : 6 - 8
Density : 1.04 - 1.10
Flash point [°C] : Not flammable

10. STABILITY AND REACTIVITY

Physico-chemical stability : Stable under normal conditions.
Hazardous decomposition products : Thermal decomposition may generate : Carbon dioxide , carbon monoxide , hydrogen chloride , HF , nitrogen oxides .
Hazardous reactions : Combustible . If involved in fire: Emits Hazardous thermal (de)composition products .
Materials to avoid : Avoid contact with : oxidizing agents .
Conditions to avoid : Excessive heat and fire .



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11. TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg]	: 310.2
Rat dermal LD50 [mg/kg]	: > 2000
Rat inhalation LC50 [mg/l/4h]	: > 1.54 (Maximum concentration attainable. Not adequate for classification)
Dermal irritation (rabbit)	: Not irritating
Eyes irritation (rabbit)	: Minimal irritant
Sensitization	: Weak sensitizer
Carcinogenicity	: Bifenthrin , Novaluron : Not carcinogenic
Mutagenicity	: Bifenthrin , Novaluron : Not mutagenic
Reproductive toxicity	: Bifenthrin , Novaluron : Not considered to be toxic for the reproductive system.

12. ECOLOGICAL INFORMATION

48 H-LC50 - Daphnia magna [µg/l]	: Bifenthrin : 0.16
LD50 Birds [mg/kg]	: > 2000
Bees LD50 [µg/Bee]	: 0.45
Persistence and degradability	: Novaluron : Very low solubility in water (<1 mg/l) Half-life time (t1/2) : 68-76 days , soil .
LC50 - fish [mg/l]	: 42.40

13. DISPOSAL CONSIDERATIONS

Disposal	: Dispose of this material and its container at hazardous or special waste collection point.
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14. TRANSPORT INFORMATION

- UN No.	: 3082
- Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (50 g/l Bifenthrin, 50 g/l Novaluron)
- Packing group	: III
- Class	: 9
- H.I. nr :	: 90
- IMDG-Marine pollution	: YES

15. REGULATORY INFORMATION

EU Classification	: This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations
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Symbol(s)



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

R Phrase(s)

: R22 - Harmful if swallowed.
R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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15. REGULATORY INFORMATION (continued)

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.
S60 - This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION

Text of R-phrases in heading 3 : R36 - Irritating to eyes.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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