



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Printed 09.08.2018

Revision 01.06.2017 (GB) Version 1.4

## BugFree Bug and Larvae Killer for Roses

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

#### 1.1. Product identifier

##### Name of product

BugFree Bug and Larvae Killer for Roses  
Prod-Nr. 613632  
MAPP 18270 / PCS No. 05929

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

##### Identified uses

##### ! Sector of uses [SU]

SU21 - Consumer uses: Private households (= general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

##### Product categories [PC]

PC27 - Plant protection products

##### Recommended intended purpose(s)

Insecticide spray.

##### ! Effect of the substance / the mixture

Insecticide, contains pyrethrins - works as a neurotoxin.

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

##### Manufacturer/distributor

W. Neudorff GmbH KG (UK+IRL)  
An der Mühle 3, D-31860 Emmerthal  
Phone +49 5155 624-0, Fax +49 5155 6010  
E-Mail msds@neudorff.de  
Internet www.neudorff.de

#### 1.4. Emergency telephone number

##### Emergency advice

National Poisons Information Service  
Phone UK: 111 / IRL: 01 809 2166

### !SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### ! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aquatic Chronic 3	H412	
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##### Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

##### ! Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



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### Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

P501 Dispose of contents/container to proper disposal.

### ! Special rules for supplemental label elements for certain mixtures

(EUH401) To avoid risks to human health and the environment, comply with the instructions for use.

(EUH208) Contains gum arabic. May produce an allergic reaction.

### Additional information

#### ! Special rules for labelling of plant protection products

Do not contaminate water with the product or its container. (SP1)

### 2.3. Other hazards

#### ! Information pertaining to special dangers for human and environment

Avoid release to the environment.

Avoid contact with skin and eyes.

## ! SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
67-63-0	200-661-7	propan-2-ol	4	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
8003-34-7	232-319-8	pyrethrins including cinerins	0,005	Acute Tox. 4, H332 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Aquatic Acute 1, H400 M=100 / Aquatic Chronic 1, H410 M=100

#### Additional advice

Contains rapeseed oil.

Contains 0.02% pyrethrum extract (25%) - equivalent to 0.005% pyrethrins.

## ! SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with soap and water.



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### In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

### In case of ingestion

Consult a physician if symptoms appear.

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

#### ! Physician's information / possible symptoms

No produkt specific symptoms known.

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

#### Treatment (Advice to doctor)

No specific antidote known. Treatment: symptomatically.

## !SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### ! Suitable extinguishing media

water

Foam

Dry powder

Carbon dioxide

#### ! Unsuitable extinguishing media

unknown

### 5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

### 5.3. Advice for firefighters

#### ! Additional information

Product does not sustain combustion.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Use personal protective clothing.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

### 6.4. Reference to other sections

No information available.



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### !SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### ! Advice on safe handling

Follow the instructions !

##### General protective measures

Avoid contact with eyes and skin

##### Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink, smoke or take drugs.

##### Advice on protection against fire and explosion

Product does not sustain combustion.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep only in original container.

##### Advice on storage compatibility

Do not store together with animal feedstuffs.

Do not store together with food.

##### ! Further information on storage conditions

Frost-protected store is needed!

Do not keep at temperatures above 30°C.

##### Information on storage stability

Protect from light.

**Storage group** 12

#### 7.3. Specific end use(s)

##### ! Recommendation(s) for intended use

Use only as insecticide spray according to the operating instruction!

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Respiratory protection

not required

##### Hand protection

Wear disposable gloves (plastic or rubber), if necessary.

##### Eye protection

not required



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### !SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**Appearance**  
liquid, emulsion

**Colour**  
whitish

**Odour**  
characteristic

**Odour threshold**  
not determined

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	6,08	20 °C		CIPAC MT 75	
<b>Boiling temperature / boiling range</b>	not determined				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	52 °C			EEC A9 / DIN EN 22719	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,992 g/cm <sup>3</sup>	20 °C		EEC A 3	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					soluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				



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	Value	Temperature	at	Method	Remark
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**Solvent content** ca. 4,0 %

### Oxidising properties

The product has no oxidizing properties.

### Explosive properties

The product has no explosive properties.

### 9.2. Other information

The test L2 for self-sustained combustion in accordance with UN, Part III section 32 or 2.6.4.5 CLP Regulation is negative.

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## !SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

unknown

### ! Additional information

No decomposition during correct storage and use.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

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	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat	calculation	
<b>Skin irritation</b>	non-irritant			
<b>Eye irritation</b>	non-irritant			
<b>Skin sensitization</b>	non-sensitizing			

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### SECTION 12: Ecological information

#### 12.1. Toxicity

No information available.

#### 12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>			Biodegradable

#### 12.3. Bioaccumulative potential

No information available.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

No information available.

#### 12.6. Other adverse effects

##### General regulation

Pyrethrum decomposes within 24 h nearly completely.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Waste code No.

02 01 08\*

06 13 01\*

##### Name of waste

agrochemical waste containing hazardous substances

inorganic plant protection products, wood-preserving agents and other biocides.

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

##### Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

##### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

##### Recommended cleansing agent

Water, perhaps household cleaner

##### General information

Small amounts out of private households should be given away to the official disposal sites.

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-



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	ADR/RID	IMDG	IATA-DGR
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> No information available.			
<b>Land and inland navigation transport ADR/RID</b> The test L2 for self-sustained combustion in accordance with UN, Part III section 32 or 2.6.4.5 CLP Regulation is negative. Not classified.			
<b>! Transport/further information</b> non hazardous good			

## !SECTION 15: Regulatory information

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

#### Other regulations (EU)

Plant protection products directive (91/414/EEC).

#### VOC standard

VOC content 4 %

#### National regulations

Water hazard class 1 self-classification

### 15.2. Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### Recommended uses and restrictions

Authorized crop protection pesticide.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It doesn't represent a guarantee of the properties of the product. It's not a technical specification.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.3





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H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.