



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

Printed 17.06.2013

revision 27.03.2013

Pyrol Bug & Larvae Killer for Roses

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

1.1. Product identifier

Name of product

Pyrol Bug & Larvae Killer for Roses
Prod-Nr. 613632

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

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)
An der Mühle 3, D-31860 Emmerthal
Phone +49 (0) 5155-624-0, Fax +49 (0) 5155-6010
E-Mail info@neudorff.de
Internet www.neudorff.de

Advice

Betriebsleitung / Labor
Phone + 49 5155-624-0
E-mail (competent person):
h.hohlfeld@neudorff.de

1.4. Emergency telephone number

Emergency advice

Phone +49 5155-624-0

| SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

| Additional hints

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

The preparation is not classified as hazardous according to Directive 1999/45/EC.

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

| Additional hints

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

2.2. Label elements

Labelling according to 1999/45/EC

| S-phrases

2 Keep out of the reach of children.

46 If swallowed, seek medical advice immediately and show this container or label.



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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 67/548/EEC
67-63-0	200-661-7	propan-2-ol	4	F R11; Xi R36; R67
8003-34-7	232-319-8	pyrethrins including cinerins	0,005	Xn R20/21/22; N R50-53

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 / Aquatic Chronic 1, H410

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.

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.



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| 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 burn continuously.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

| 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 burn continuously.

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.



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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!

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

Entspricht den MAK-Werten der SUVA.

KZGW: 400 ppm ; 1000 mg/m³

8.2. Exposure controls

Respiratory protection

not required

Hand protection

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

Eye protection

not required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

liquid, emulsion

Colour

whitish

Odour

characteristic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	6,08	20 °C		CIPAC MT 75	
Flash point	52 °C			EEC A9 / DIN EN 22719	
Relative density	0,992 g/cm ³	20 °C		EEC A 3	
Solubility in water					soluble
Solvent concentration	ca. 4,0 %				

Oxidising properties

The product has no oxidizing properties.



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Explosive properties

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.

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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat	calculation	
Irritability skin	non-irritant			
Irritability eye	non-irritant			
Skin sensitization	non-sensitizing			

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				Biodegradable



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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.

Not toxic to bees.

Don not contaminate water/environment with the product or its container.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

02 01 08*

06 13 01*

Name of waste

agrochemical waste containing dangerous 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 91/689/EEC on hazardous waste.

Recommendations for the product

Teilentleerte(r) Verpackung / Behälter / Dose / Flaschen der Verkaufsstelle zurückgeben oder einer Sammelstelle für Sonderabfälle übergeben. Entleerte(r) Verpackung / Behälter / Dose / Flaschen mit dem Siedlungsabfall entsorgen.

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

Land and inland navigation transport ADR/RID

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.

| Transport/further information

non hazardous good

Special precautions for user

No information available.



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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

| 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 provided in this Safety Data Sheet is supplied in good faith is accurate at the date of its publication.

The information will be updated as and when appropriate. It is not a specification of the product nor does it list the uses.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36 Irritating to eyes.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

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.