



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

Printed 05.12.2012

revision 24.09.2012

**Pyrol Bug & Larvae Killer Concentrate**  
613615

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

### Product identifier

#### Name of product

Pyrol Bug & Larvae Killer Concentrate  
Prod-Nr. 613615

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

#### Recommended intended purpose(s)

Insecticidal concentrate.

#### Effect of the substance / the mixture

Insecticide, contains pyrethrins - works as a neurotoxin.

### 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

#### Emergency telephone number

#### Emergency advice

Phone +49 5155-624-0

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## SECTION 2: Hazards identification

### Classification of the substance or mixture

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

N; R51/53

#### R-phrases

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Label elements

#### Labelling according to 67/548/EEC or 1999/45/EC

**N** Dangerous for the environment



#### R-phrases

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases

2 Keep out of the reach of children.



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29/35 Do not empty into drains; dispose of this material and its container in a safe way.  
46 If swallowed, seek medical advice immediately and show this container or label.  
57 Use appropriate container to avoid environmental contamination.

### Hazardous ingredients for labeling

pyrethrins including cinerins

### Other hazards

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

Keep away from surface waters.

## SECTION 3: Composition/ information on ingredients

### Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
8003-34-7	232-319-8	pyrethrins including cinerins	0,5	Xn R20/21/22; N R50-53

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
8003-34-7	232-319-8	pyrethrins including cinerins	0,5	Acute Tox. 4, H332 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410

### Description

Pesticide (insecticide)

### Additional advice

Contains rapeseed oil.

## SECTION 4: First aid measures

### Description of first aid measures

#### General information

Take affected person into fresh air.

#### 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 immediately with soap and water.

#### In case of eye contact

In case of contact with eyes rinse thoroughly with water.

#### In case of ingestion

Refer to medical treatment.

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

#### Physician's information / possible symptoms

No produkt specific symptoms known.



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

**Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media**

water

Foam

Dry powder

Carbon dioxide

**Extinguishing media which must not be used for safety reasons**

not required

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

**Advice for firefighters**

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**SECTION 6: Accidental release measures**

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

Use personal protective clothing.

**Environmental precautions**

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

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

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

**Reference to other sections**

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**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on protection against fire and explosion**

Keep away from sources of ignition

**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**

Rubrique ICPE n° 1173

Keep container in a well-ventilated place

Store in a dry place.

Keep in a cool place.

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**Information on storage stability**

Storage temperature may not exceed 35°C

Protect from light.

**Storage group** 10

**Specific end use(s)**

**Recommendation(s) for intended use**

Use only as insecticide spray according to the operating instructions.

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**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**Exposure controls**

**Respiratory protection**

not required

**Hand protection**

not required

**Eye protection**

not required

**Skin protection**

not required

**General protective measures**

Avoid contact with eyes and skin

**Hygiene measures**

Clean skin thoroughly after working.

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**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

**Form**

liquid

**Colour**

yellow

**Odour**

characteristic

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	6,6	20 °C			1% dissolved in water
<b>boiling point (decomposition)</b>	ca. 300 °C				
<b>melting point</b>	-17,6 °C				
<b>Flash point</b>	145 °C				



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	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	> 400 °C				
<b>Density</b>	0,917 g/cm <sup>3</sup>	20 °C			
<b>Solubility in water</b>					emulsifiable
<b>Viscosity dynamic</b>	67,1 mPa*s	20 °C			

**Other information**

**SECTION 10: Stability and reactivity**

**Reactivity**

**Chemical stability**

**Possibility of hazardous reactions**

**Conditions to avoid**

Evolution of heat.

**Incompatible materials**

**Materials to avoid**

Reactions with oxidising agents.

**Hazardous decomposition products**

unknown

**Additional information**

No decomposition during correct storage.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat	OECD 401	
<b>LD50 acute dermal</b>	> 2000 mg/kg	rat	OECD 402	
<b>LC50 acute inhalation</b>	2,36 mg/l	rat	OECD 403	highest checkable concentration
<b>Irritability skin</b>	non-irritant	rabbit	OECD 404	
<b>Irritability eye</b>	non-irritant	rabbit eye	OECD 405	
<b>Skin sensitization</b>	non-sensitizing	Guinea pig	OECD 406	



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## SECTION 12: Ecological information

### Toxicity

### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 3,59 mg/l (96 h)	rainbow trout	OECD 203	
<b>Daphnia</b>	EC50 1,55 mg/l (48 h)	Daphnia magna	OECD 202	
<b>Algae</b>	EC50 65,1 mg/l (72 h)	Desmodesmus Subspicatus		

### Persistence and degradability

#### Biological

**degradability** The product is biodegradable.

#### Bioaccumulative potential

#### Mobility in soil

#### Results of PBT and vPvB assessment

#### Other adverse effects

#### General regulation

Not toxic to bees.

## SECTION 13: Disposal considerations

### 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

In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant.

### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

### Recommended cleansing agent

Water with mild detergent.

### General information

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

Follow the instructions !



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## SECTION 14: Transport information

### Land and inland navigation transport ADR/RID

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (pyrethrins incl. cinerins), 9, III, (E), ENVIRONMENTALLY HAZARDOUS, Classification code: M6

### Special precautions for user

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

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## SECTION 15: Regulatory information

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

#### VOC standard

VOC content 0,5 %

#### National regulations

Water hazard class 2 self-classification

### Chemical Safety Assessment

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## SECTION 16: Other information

### | Recommended uses and restrictions

Follow the instructions !

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

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

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.