

# Safety data sheet

## Pyredi® Plus Insektenkiller (Automat)

Version 2.0

Effective date: 05-12-2025

Baua - Reg.Nr.: N-115507

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1 Product identifier.

**Trade name:** Pyredi® Plus Insektenkiller (Automat).

**UFI:** DF00-Q071-4006-4DM3

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

**Product use:** Pest control product.

**Uses advised against:** Use only as directed.

#### 1.3 Details of the Supplier of the safety data sheet:

**Company:** Reinelt & Temp GmbH  
Daimlerstraße 12  
50354 Hürth  
Germany  
Telefon (022 33) 97 83 22  
Telefax (0 22 33) 97 83 24  
info@RTK-online.de  
www.RTK-online.de

#### 1.4 Emergency telephone number:

Use your national or local emergency number.  
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.

Flam. Aerosol 1; H222, H229, Eye Irrit. 2; H319, Aquatic acute 1; H400, Aquatic Chronic 1; H410.

#### 2.2 Label elements CLP No 1272/2008/GB CLP.

##### Hazard pictograms:



##### Signal word:

Danger

**Contains:** Chrysanthemum cinerariaefolium extract.

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### Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements:

General:

P102 Keep out of reach of children.

P103 Read label before use.

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P280 Wear protective gloves/eye protection.

Response:

-

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Disposal:

P501 Dispose of contents/ container in accordance with national regulations.

### Additional information:

EUH208 Contains Geraniol. May produce an allergic reaction.

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

### 2.3 Other hazards.

This product contains no PBT or vPvB substances according to REACH No 1907/2006.

This product does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

This product is a mixture.

### 3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification CLP
74-98-6 / 200-827-9	01-2119486944- 21	Propane	25-50	Flam. Gas 1A; H220, Press. Gas. L: H280.
106-97-8 / 203-448-7	01-2119474691- 32	Butane	20-25	Flam. Gas 1A; H220, Press. Gas. L: H280.

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67-63-0 / 200-661-7	Exempted registration	2-Propanol	10<20	Flam. Liq. 2; H225, Eye Irrit. 2; H319, STOT SE 3; H336.
89997-63-7 / 289-699-3	Exempted registration	Chrysanthemum cinerariaefolium extract.	1-2	Acute Tox. 4; H302+ H312+H332, Asp. Tox. 1; H304, Aquatic Acute 1; H400 (M=100), Aquatic Chronic 1; H410 (M=100).
51-03-6 / 200-076-7	01-2119537431- 46	Piperonyl butoxide (ISO)	0,5<1,0	Aquatic Acute 1; H400 (M=1), Aquatic Chronic 1; H410 (M=1).
106-24-1 / 203-377-1	01-2119552430- 49	Geraniol	0,5<1,0	Skin sens. 1; H317.

See full text of H-phrases in section 16. Occupational limits, where applicable, are listed in section 8.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures.

**General information:** In case of symptoms or doubt: Contact a doctor or casualty department.

**Inhalation:** Supply fresh air and consult doctor in case of complaints.

**Skin contact:** Wash with soap and water if irritation/symptoms occur.

**Eye contact:** Flush immediately eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Make sure you flush under the upper and lower eyelids. If symptoms/irritations persist, consult doctor.

**Ingestion:** Not likely, due to the form of the products.  
Rinse mouth with water and spit out. Do not induce vomiting; immediately seek medical attention.

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

May cause mild skin irritation.  
Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Alcohol-resistant foam, carbon dioxide, dry powder, water fog.

**Unsuitable extinguishing media:**

Water jets should not be used, since they can spread the fire.

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

Extremely flammable aerosol. Containers can burst violently or explode when heated, due to excessive pressure build-up.

In case of fire, harmful decomposition products may be formed, do not inhale.

**5.3 Advice for firefighters:**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Use water to keep fire exposed containers cool and disperse vapors. Prevent firefighting water from entering the environment. Collect contaminated firefighting water for proper disposal.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

See section 8 for recommendations on the use of personal protective equipment. Ensure adequate ventilation, especially in enclosed spaces.

Remove all ignition sources. No smoking.

Avoid contact with skin and eyes.

**6.2 Environmental precautions:**

Avoid release into the environment (this does not apply if the product is used as directed). Do not allow it to enter sewers, soil, or waterways.

In the event of contamination of waterways or sewage systems, notify the relevant authorities.

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

The product is flammable, use non-sparking tools/equipment.

Small spills: wipe up with absorbent material (e.g. cloth, fleece).

Large spills: use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

**6.4 Reference to other sections:**

See section 8 for personal protection.

See section 13 for disposal.

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

Avoid unnecessary exposure. See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin and eyes.

Read the label before use. Ensure adequate ventilation, especially in enclosed spaces. Avoid breathing vapors/aerosols. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Protect from sunlight. Do not eat, drink, or smoke while using this product.

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

Protect from sunlight and do not expose to temperatures exceeding 50°C.  
Store in tightly closed containers in a cool, dry and well-ventilated area.  
Keep away from food, drinks, and animal feed. Store frost-free.  
Store according to national regulations pressurized containers.

### 7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters - Occupational exposure limits EH40 (Great Britain):

CAS No	Name:	Limits:	Remarks:
106-97-8	Butane	Long-term value: 600 ppm, 1450 mg/m <sup>3</sup> Short-term value: 750 ppm, 1810 mg/m <sup>3</sup>	-
67-63-0	2-Propanol	Long-term value: 400 ppm, 999 mg/m <sup>3</sup> Short-term value: 500 ppm, 1250 mg/m <sup>3</sup>	-

### DNEL / PNEC:

-

### 8.2 Exposure controls.

#### Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

#### General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash station are clearly marked and available.

#### Personal protective equipment:

Only CE-marked personal protection equipment should be used.

#### Respiratory protection:

Facing concentrations above the exposure limit, use - wear suitable respiratory protection – A-filter. EN 149.

#### Hand protection:

Use gloves. EN 374.  
Option: Nitrile/PVC gloves. ≥60 min.  
Thickness: ≥0.11 mm.

#### Eye protection:

Wear tightly safety goggles. EN 166.

#### Body protection:

Wear protective clothing.

#### Measures to avoid environmental exposure:

No special precautions are necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state:	Liquid/aerosol
Colour:	Yellowish
Odour:	Characteristic
Melting point/freezing point:	-188 – -138 °C*
Boiling point:	Not relevant/no data
Flammability:	Extremely flammable aerosol.
Lower and upper explosion limit:	5 Vol.-% - 10,9 Vol.-%*
Flash point:	31°C
Auto-ignition temperature:	365 – 470°C*
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Insoluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	2.200 – 8.400 hPa - 20°C*
Density and/or relative density:	0,6 – 0,7 g/cm <sup>3</sup> - 20°C
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

\*Propellant.

### 9.2 Other information:

No data.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** No dangerous reaction known under conditions of normal use and storage.

**10.2 Chemical stability:** The product is stable under the conditions, noted in the section on "Handling and storage".

**10.3 Possibility of hazardous reactions:** No risk of hazardous reactions during normal use and storage.

**10.4 Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Protect from sunlight and do not expose to temperatures exceeding 50°C.

**10.5 Incompatible materials:** Strong oxidizing agents.

**10.6 Hazardous decomposition products:** The product is not degraded when used as indicated in section 1.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

<b>Acute toxicity:</b>	Not classified.  Product ATE: Oral: >2000 mg/kg Dermal: >2000 mg/kg  Geraniol – CAS 106-24-1: Oral – LD50 – Rat: 3600 mg/kg Dermal – LD50 – Rabbit: >5000 mg/kg Inhalation – LC50 – Rat: >4.638 mg/l/4 h.
<b>Skin corrosion/irritation:</b>	Causes serious eye irritation.
<b>Serious eye damage/irritation:</b>	Not classified.
<b>Respiratory or skin sensitization:</b>	Not classified.
<b>Germ cell mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Not classified.
<b>Reproductive toxicity:</b>	Not classified.
<b>Specific target organ toxicity - single exposure:</b>	Not classified.
<b>Specific target organ toxicity – repeated exposure:</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.

### 11.2 Information on other hazards:

<b>Endocrine disrupting properties:</b>	The product/substance has no endocrine disrupting properties.
<b>Additional Information:</b>	None.

## SECTION 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity:</b>	Very toxic to aquatic life with long lasting effects.  Geraniol – CAS 106-24-1: Fish – LC50 – 96 h.: ~22 mg/l Crustaceans – EC50: 10.8 mg/l Algae – EC50 – 72 h.: 13.1 mg/l
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### 12.2 Persistence and degradability:

No further data is available.

### 12.3 Bioaccumulative potential:

No further data is available.

### 12.4 Mobility in soil:

No further data is available.

### 12.5 Result of PBT and vPvB assessment:

This product does not contain any substances classified as PBT or vPvB.

### 12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

### 12.7 Other adverse effects:

None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Option:

### EWC-code:

16 05 04\* gases in pressure containers (including halons) containing dangerous substances.

### Contaminated packing:

Properly cleaned container is disposed of according to packaging material. Option: 15 01 04 metallic packaging.

## SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)	2/2.1	2/2.1
14.4 Packing group	-	-
14.5 Environmental hazards – MP EmS:	Yes F-D, S-U	Yes F-D, S-U
Other informations	LQ: 1 L. Tunnel D	LQ: 1 L. Tunnel D

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### 14.6 Special precautions for user:

Not relevant.

### 14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

## SECTION 15. REGULATORY INFORMATION

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

#### Sources:

Current ADR regulations 2025. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

#### Additional information:

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

### 15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

## SECTION 16. OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

### Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### Descriptions of possible used abbreviations:

BCF Bioconcentration factor.

BOD Biochemical Oxygen Demand.

CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).

COD Chemical oxygen demand.

DNEL Derived No-Effect Level.

EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

IMDG International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

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LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

log KOW n-Octanol/water.

MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").

PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Good.

vPvB Very Persistent and very Bioaccumulative.

**Validated by:**

SRS

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