

**MATERIAL SAFETY DATA SHEET**

according to Regulation (EC) no. 1907/2006 (amended by EC Reg. No. 878/2020)



Issued: 10.05.2012      Valid from: 20.10.2023      Revised: 10/2023  
 Version: 10/2023      Replaces version: 01/2021      Page 1 of 8

## Contra Insect® 5 Dust

**Section 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:**  
**Trade name:**  
 Contra Insect® 5 Dust  
**Article number:**  
 0870-063
- 1.2 Relevant identified uses:**  
 Insecticide powder concentrate for the control of flying and crawling insects (detailed statements see product information).  
**Uses advised against**  
 No information available
- 1.3 Details of the supplier of the safety data sheet:**  
**frunol delicia® GmbH**  
**Address:**  
Main office:  
**Duebener Strasse 145**  
**04509 Delitzsch**  
**Germany**  
**Tel.: +49 (0)34202 / 65300**  
**Fax: +49 (0)34202 / 65309**  
**E-mail:**  
**info@frunol-delicia.de**  
**Informing department:**  
 Lab department, Tel.: +49 (0)34202 / 65525
- Branch office:  
**Hansastrasse 74 b**  
**59425 Unna**  
**Germany**  
**Tel.: +49 (0)2303 / 253600**  
**Fax: +49 (0)2303 / 2536050**
- 1.4 Emergency telephone number:**

**Section 2 HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**
- |   |                                  |
|---|----------------------------------|
| <u>Classification acc. CLP-regulation / GHS-classification:</u> | <u>Classification procedure:</u> |
| Acute toxicity, cat. 4  | calculated                       |
| Hazardous to the aquatic environment Acute, cat. 1              | calculated                       |
| Hazardous to the aquatic environment Chronic, cat. 1            | calculated                       |
| Hazard statements *: H302, H400, H410                           |                                  |
- 2.2 Label elements:**  
 Signal word: Warning  
 Hazard pictograms:
- |   |   |
|---|---|
| GHS07   | GHS09   |
|  |  |
- Hazardous components which must be listed on the label: • Chlorpyrifos
- Hazard statements \*: H302, H410, EUH210, EUH401  
 Precautionary statements \*: P102, P103, P261, P264, P270, P272, P273, P280, P391, P301+312+330, P501
- For other label elements (national) see section 15.

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**Section 2 HAZARDS IDENTIFICATION (CONTINUATION)**
**2.3 Other hazards:**

No information available

\* The wording of the mentioned danger advices is to be read in section 16.

**Section 3 COMPOSITION / INFORMATION ON INGREDIENTS**
**3.1 Substances:**

This product is a mixture.

**3.2 Mixtures:**

<b>3.2.1</b>	<b>Substance denomination:</b>	Chlorpyrifos	
	<b>Index-No.:</b>	015-084-00-4	
	<b>EC-No.:</b>	220-864-4	
	<b>CAS-No.:</b>	2921-88-2	
	<b>Proportion:</b>	5.0 % w/w	
	<b>Class. acc. to reg. (EC) no. 1272/2008:</b>	Acute Tox. 3. H301 Aquatic acute 1 H400 Aquatic chronic 1 H410	M = 10000
	<b>Signal word:</b>	Danger	

**3.2.2 Substances with prescribed limit values:**

Not available

**3.2.3 Substances with classification PBT and vPvB:**

Not available

\* The wording of the mentioned danger advices is to be read in section 16

**Section 4 FIRST AID MEASURES**
**4.1 Description of first aid measures:**
**4.1.1 General advices:**
**After inhalation:**

Remove to fresh air, keep respiratory tract free, seek medical advice if necessary.

**After skin contact:**

After contact with skin, wash immediately with plenty of water and soap.

**After eye contact:**

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

**After swallowing:**

If swallowed, do not induce vomiting! Seek medical advice immediately and show container or label.

**4.1.2 immediate medical attention, delayed effects:**

See 4.1.1, otherwise not available

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

Not available

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

Atropine and Toxogonine.

**Advices for the physician:**

None

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**Section 5 FIRE FIGHTING MEASURES**
**5.1 Extinguishing media:**
**5.1.1 Suited:**

Water, Powder, foam, class C fire extinguishers

**5.1.2 Not suited:**

None

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

In case of fire, formation of chlorine compounds, phosphorous oxides, sulfur oxides, nitrogen oxides and carbon oxides is possible.

**5.3 Advice for firefighters:**

Stay in the danger zone with self-contained breathing apparatus only, in emergency cases wear respiratory mask with filter AB-P.

**Section 6 ACCIDENTAL RELEASE MEASURES**
**6.1 Personal precautions, protective equipment and emergency procedures:**

Take care for ventilation, wear protective gloves (chemical resistant, if possible).

**6.2 Environmental precautions:**

Do not allow to enter into surface water or drains. Keep the application rate

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

Decontamination with alkaline cleaning agents. Sweep up and collect in suited bins (special waste).

**6.4 Reference to other sections:**

Pay attention to the protective measures in sections 7 and 8.

**Section 7 HANDLING AND STORAGE**
**7.1 Precautions for safe handling:**
**7.1.1 Secure handling:**

Protect from strong heat. Wearing fine dust masks is recommended when handling / applying

**7.1.2 Advices for fire and explosion safety:**

Do not eat, drink or smoke while handling / using.

**7.1.3 Information about fire and explosion protection:**

No special actions required

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

Storage class: 11

**7.2.1 Storage temperature:**

Do not store above 40 °C.

**7.2.2 Storage restrictions:**

Store cool, dry and in the closed original container

**7.2.3 Storage advices with other products:**

Keep away from food, drink and animal feeding stuffs.

**7.2.4 Additional advices:**

Keep out of reach of children.

**7.3 Specific end use(s):**

Insecticide powder concentrate for the control of flying and crawling insects.

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**Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Control parameters:**  
Chlorpyrifos, max. place of work concentration: 0.2 mg/m<sup>3</sup> (TRGS900).
- 8.2 Exposure controls:**  
Chlorpyrifos: ADI 0.01 mg/kg (WHO, 1999)
- 8.2.1 Appropriate engineering controls:**  
In case of open handling use local exhaust ventilation.
- 8.2.2 Individual protection measures, such as personal protective equipment:**  
**General hygienic and protection measures:**  
Avoid contact with eyes and skin, wash hands after work. Do not breathe powder. Protective clothing (during use)  
**Respiratory protection:**  
If necessary, use respiratory mask with filter A/P or mask against dusting powders.  
**Hand protection:**  
Protective gloves CE cat. II or III (nitrile, nitrile coating or vinyl).  
**Eye / face protection:**  
Protective glasses (during use)  
**Thermal hazards:**  
Not available.
- 8.2.3 Environmental exposure controls:**  
See sections 6 and 7.

**Section 9 PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 Information on basic physical and chemical properties:**
- |   |                    |
|---|--------------------|
| <b>Form:</b>                                  | Solid – Powder     |
| <b>Dye:</b>                                   | grey               |
| <b>Odor:</b>                                  | Mild mercaptan     |
| <b>Melting point / range:</b>                 | Not applicable     |
| <b>Boiling point / range:</b>                 | Not applicable     |
| <b>Flash point:</b>                           | Not applicable     |
| <b>Ignition point:</b>                        | Not applicable     |
| <b>Explosion limit, lower:</b>                | Not applicable     |
| <b>Explosion limit, upper:</b>                | Not applicable     |
| <b>Vapour pressure (20°C):</b>                | Not applicable     |
| <b>Vapour density: (25°C):</b>                | Not applicable     |
| <b>Density (20°C):</b>                        | Not applicable     |
| <b>Bulk density (20°C):</b>                   | 0.65 kg/l          |
| <b>Solubility in water (20°C):</b>            | Dispersing         |
| <b>Solubility in organic solvents (20°C):</b> | No data available  |
| <b>pH-value in original ( °C):</b>            | No data available  |
| <b>pH-value in 10 g/l of water (20°C):</b>    | No data available  |
| <b>Partition coefficient (log Po/w):</b>      | 4.7 (Chlorpyrifos) |
| <b>Viscosity (20°C):</b>                      | Not applicable     |
| <b>Content of solvents:</b>                   | No data available  |
- 9.2 Other information:** No data available

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**Section 10 STABILITY AND REACTIVITY:**

- 10.1 Reactivity:**  
The product is inert, but it should not come in contact with strong oxidizing agents.
- 10.2 Chemical stability:**  
The product is chemically stable under normal conditions.
- 10.3 Possibility of hazardous reactions:**  
No dangerous reactions are to be expected at proper use.
- 10.4 Conditions to avoid:**  
Avoid temperatures above 40 °C
- 10.5 Incompatible materials:**  
Strong alkalis, amines and oxidizers, copper and copper-alloys
- 10.6 Hazardous decomposition products:**  
Hydrogen chloride, ethyl sulfide, diethylsulfide, nitrogen oxide. Especially during combustion.

**Section 11 TOXICOLOGICAL INFORMATION**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**
- 11.1.1 Akute Toxizität:**  
LD<sub>50</sub> (rat, oral) > 500 mg/kg body weight – calculated (ATE)  
LD<sub>50</sub> (rat, dermal) > 2,000 mg/kg body weight – calculated (ATE)  
LC<sub>50</sub> (rat, inhal.) > 0.2 mg/L/4h
- 11.1.2 Sub acute toxicity:**  
Not applicable
- 11.1.3 Primary irritation:**  
**Skin:**  
Slight irritant  
**Eye:**  
Slight irritant
- 11.1.4 Sensitization:**  
Not known
- 11.1.5 Chronic effects:**  
No evidences of carcinogenic, mutagenic, teratogenic or other harmful effects at long-term exposition.
- 11.1.6 Specific target organ toxicity:**  
No data available
- 11.1.7 Aspiration hazard:**  
No data available
- 11.1.8 Endocrine disrupting properties:**  
The mixture does not contain substances with endocrine disrupting properties (ED).
- 11.2 Information on other hazards:**  
Cholinesterase inhibitor

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**Section 12      ECOLOGICAL INFORMATION**
**12.1      Toxicity:**
**12.1.1      Aquatic toxicity:**

Toxic to fish, fish nutrition animals and algae.

**12.1.2      Toxicity to bees:**

The product ist toxic to bees.

**12.2      Persistence and degradation:**

The active ingredient of the product is chemically – biological degradable.

**12.3      Bioaccumulative potential/hazard to waters:**

WHC 3 (own classification).

**12.4      Mobility in soil:**

No data available.

**12.5      Results of PBT and vPvB assessment:**

No data available.

**12.6      Endocrine disrupting properties:**

The mixture does not contain substances with endocrine disrupting properties (ED).

**12.7      Other adverse effects:**

Do not let get the product and its residues as well as emptied bins and containers into waters. Toxic to birds and other wildlife

**Section 13      DISPOSAL CONSIDERATIONS**
**13.1      Waste treatment methods:**
**13.1.1      Product:**

Special waste, pay attention to the national and regional regulations.

**13.1.2      Uncleaned packages:**

Special waste, pay attention to the national and regional regulations.

**Section 14      TRANSPORT INFORMATION**

	<b>Land transport (ADR/RID)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (IATA, ICAO)</b>
<b>UN / ID-No.:</b>	UN 3077	UN 3077	UN 3077
<b>Class:</b>	9	9	9
<b>Classification code:</b>	M7	n.a.	n.a.
<b>Package group:</b>	III	III	III
<b>Danger-No.:</b>	90	n.a.	n.a.
<b>Environ. Hazard:</b>	Yes	Yes	Yes
<b>Label:</b>	9 + Environ. Hazard	9 + Environ. Hazard	9 + Environ. Hazard
<b>EMS:</b>	n.a.	F-a, S-F	n.a.
<b>MFAG:</b>	n.a.	n.a.	n.a.
<b>Marine pollutant:</b>	n.a.	mp	n.a.
<b>LQ-regulation:</b>	See limited value	See limited value	Y911
<b>Tremcard (CEFIC):</b>	90GM7-III	n.a.	n.a.
<b>Limited value:</b>	LQ27 (5 kg)	n.a.	n.a.
<b>Transportation cat. / TRC:</b>	3 (E)	n.a.	n.a.
<b>Technical name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains CHLORPYRIFOS)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS CHLORPYRIFOS 5.0 % w/w)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS CHLORPYRIFOS 5.0 % w/w)

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**Section 15 REGULATORY INFORMATION**
**15.1**
**Safety, health and environmental regulations/legislation specific for the substance or mixture:**
*This safety data sheet complies with the requirements of the Regulation (EC) No. 1907/2006.*
**Additional information:**

No information available

**National regulations (Germany):**
**TRGS:**

500 (protective regulations), 523 (working with hazardous pesticides)

**Water hazard class:**

3 (own classification)

**Storage class TRGS510 (VCI):**

11

**Health & Safety at Work regulations:**

See TRGS

**VOC-content:**

No information available

**Directive 2012/18/EU of the european parliament an of the council on the control of major-accident hazards involving dangerous substances:**

Directive Seveso III, Annex I, Section E1.

**Employment Restriction**
**Protection of minors:**

Observe employment restrictions for young people (§ 22 JArbSchG).

**Maternity protection:**

Maternity Protection Act, observe prohibitions on employment (§§ 3,4 MuSchG).

**15.2**
**Chemical safety assessment:**

Not applicable (mixture).

**Section 16 OTHER INFORMATION**
**WORDING DANGER REFERENCES AND SAFETY ADVICES:**
**HAZARD CATEGORIES:**

Acute Tox. 3: Acute toxicity, category 3 (H301)

Acute Tox. 4: Acute toxicity, category 4 (H302)

Aquatic acute 1: Hazardous to the aquatic environment. Acute, category 1 (H400)

Aquatic chronic 1: Hazardous to the aquatic environment. Chronic, category 1 (H410)

**HAZARDS IDENTIFICATION (H-PHRASES):**

H301: Toxic if swallowed

H302: Harmful if swallowed

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

EUH210: Safety data sheet available on request

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

**HAZARDS IDENTIFICATION (P-PHRASES):**

P102: Keep out of reach of children

P103: Read label before use

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product

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#### Section 16 OTHER INFORMATION (CONTINUATION)

P272: Contaminated work clothing should not be allowed out of the workplace  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P301+312+330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth  
 P391: Collect spillage  
 P501: Dispose of contents/container with residues according to national/regional regulations

#### Legend:

CAS Chemical Abstracts Service  
 DIN Standard of the German Institute for Standardisation  
 EAK European Waste Catalogue  
 ECHA European Chemicals Agency  
 EC European Community  
 EN European Standard  
 GES Generic Exposure Scenarios  
 IATA International Air Transport Association  
 ICAO International Civil Aviation Organization  
 IMDG International Maritime Code for Dangerous Goods  
 ISO Standard of the International Standard Organization  
 LC Lethal concentration  
 LD Lethal Dosis  
 LD<sub>50</sub> Lethal Dosis at 50% killing  
 Log P<sub>o/w</sub> Log. Partition coefficient between *n*-Octanol and water  
 LTEL Long-Term exposure Limit  
 MSDS Material safety data sheet  
 OECD Organisation for Economic Co-operation and Development  
 REACH Registration, Evaluation, Authorisation and restriction of Chemicals  
 RID Regulations for the International Carriage of Dangerous Goods by Rail  
 STEL Short-term Exposure Limit  
 TRGS Technical rules for hazardous substances  
 UN United Nations  
 VCI Chemical Industry Association  
 WHC Water hazard class

#### Specific product advices:

Product-Type: biocidal product (PT 18)

Handling / Application of the product in accordance with the instructions for use of the manufacturer only. Misuse may lead to damages to health. The product does not contain any SVHC substances of the REACH regulation (EC) no. 1907/2006.

#### Sources for preparation of this Material Safety Data Sheet:

Directives 67/548/EEC, 91/414/EEC, 1999/45/EC, REACH-regulation 1907/2006 Article 31, regulation (EC) no. 1272/2008 (CLP regulation), Regulation (EC) no. 878/2020, MSDS of the components.

#### Changes in the current safety data sheet:

The following sections or points have been changed or supplemented compared to the previous safety data sheet version: 1.-16.

These information are based on actual state of our knowledge, they are not a guarantee of our product qualities and involve no contractual relationship.