

**Safety data sheet**  
according to 1907/2006/EC, Article 31



Printing date 18.09.2020

Version number 42

Revision: 18.09.2020

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

- **1.1 Product identifier**
- **Trade name:** *Insektizid P-16 CHZN3722*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the mixture** *Auxiliary*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Lasala AG*  
*Wehntalerstrasse 113*  
*8105 Regensdorf*
- **Further information obtainable from:** *info@lasala.ch*
- **1.4 Emergency telephone number:**  
*Centre suisse d'information toxicologique, Zurich*  
*+41 (0)44 251 51 51 ou 145 (depuis la Suisse)*  
*Schweizerisches Toxikologisches Informationszentrum, Zürich*  
*+41 (0)44 251 51 51 oder aus der Schweiz: Tel 145*  
*Centro Svizzero d'informazione tossicologica*  
*+41 (0)44 251 51 51 o dalla Svizzera: Tel 145*

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

*Flam. Liq. 2            H225 Highly flammable liquid and vapour.*



GHS08 health hazard

*Asp. Tox. 1            H304 May be fatal if swallowed and enters airways.*



GHS09 environment

*Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.*



GHS07

*Eye Irrit. 2            H319 Causes serious eye irritation.*

*STOT SE 3            H336 May cause drowsiness or dizziness.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms** *GHS02, GHS07, GHS08, GHS09*

(Contd. on page 2)

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according to 1907/2006/EC, Article 31

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Version number 42

Revision: 18.09.2020

**Trade name: Insektizid P-16 CHZN3722**

(Contd. of page 1)

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

*Naphtha (petroleum), heavy alkylate*  
*propan-2-ol*  
*Pyrethrins and Pyrethroids*  
*Distillates (petroleum), hydrotreated light*

· **Hazard statements**

*H225 Highly flammable liquid and vapour.*  
*H319 Causes serious eye irritation.*  
*H336 May cause drowsiness or dizziness.*  
*H304 May be fatal if swallowed and enters airways.*  
*H410 Very toxic to aquatic life with long lasting effects.*

· **Precautionary statements**

*P102 Keep out of reach of children.*  
*P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*  
*P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*  
*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
*P405 Store locked up.*  
*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Additional information:**

*Contains permethrin (ISO);m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate.*  
*May produce an allergic reaction.*

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

<i>EC number: 919-446-0</i> <i>Reg.nr.: 01-2119471991-29</i>	<i>Naphtha (petroleum), heavy alkylate</i> ⚠ <i>Flam. Liq. 3, H226; ⚠ <i>Asp. Tox. 1, H304; ⚠ <i>Aquatic Chronic 2, H411</i></i></i>	<i>50-100%</i>
<i>CAS: 67-63-0</i> <i>EINECS: 200-661-7</i> <i>Reg.nr.: 01-2119457558-25</i>	<i>propan-2-ol</i> ⚠ <i>Flam. Liq. 2, H225; ⚠ <i>Eye Irrit. 2, H319; STOT SE 3, H336</i></i>	<i>25-50%</i>
<i>CAS: 51-03-6</i> <i>EINECS: 200-076-7</i> <i>Reg.nr.: 01-2119918969-16</i>	<i>2-(2-butoxyethoxy)ethyl 6-propylpiperonylether</i> ⚠ <i>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</i>	<i>≥0.25-&lt;2.5%</i>
<i>CAS: 52645-53-1</i> <i>EINECS: 258-067-9</i>	<i>permethrin (ISO);m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</i> ⚠ <i>Aquatic Chronic 1, H410; ⚠ <i>Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317</i></i>	<i>≥0.1-&lt;1%</i>
<i>CAS: 8003-34-7</i> <i>EINECS: 232-319-8</i>	<i>Pyrethrins and Pyrethroids</i> ⚠ <i>Asp. Tox. 1, H304; ⚠ <i>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ <i>Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332</i></i></i>	<i>≥0.25-&lt;2.5%</i>

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 3)

# Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 42

Revision: 18.09.2020

Trade name: Insektizid P-16 CHZN3722

(Contd. of page 2)

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Keep receptacles tightly sealed.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store under lock and key and out of the reach of children.  
Storage in a collecting room is required.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.09.2020

Version number 42

Revision: 18.09.2020

**Trade name: Insektizid P-16 CHZN3722**

(Contd. of page 3)

- Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
  - **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

#### · 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

##### 67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

- **DNELs**

##### 67-63-0 propan-2-ol

Oral	DNEL long term systemic effects	26 mg/kg bw/day (general population)
Dermal	DNEL long term systemic effects	319 mg/kg bw/day (general population) 888 mg/kg bw/day (workers)
Inhalative	DNEL long term systemic effects	89 mg/m <sup>3</sup> (general population) 500 mg/m <sup>3</sup> (workers)

- **PNECs**

##### 67-63-0 propan-2-ol

PNEC	140.9 mg/l (intermittent release) 2,251 mg/l (sewage plant)
PNEC aqua	140.9 mg/l (fresh water) 140.9 mg/l (sea water)
PNEC sediment	552 mg/kg (fresh water) 552 mg/kg (sea water)
PNEC ground	28 mg/kg (ground)

##### 52645-53-1 permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

PNEC	0.00495 mg/l (sewage plant)
PNEC aqua	0.00000047 mg/l (fresh water)
PNEC sediment	1 mg/kg (fresh water)
PNEC ground	0.0876 mg/kg (ground)

- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

- **Respiratory protection:**

Not necessary if room is well-ventilated.  
Use suitable respiratory protective device when high concentrations are present.  
Filter AX  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.09.2020

Version number 42

Revision: 18.09.2020

**Trade name: Insektizid P-16 CHZN3722**

(Contd. of page 4)

**· Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**· Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· As protection from splashes gloves made of the following materials are suitable:**

PVC or PE gloves

Rubber gloves

**· Eye protection: Goggles recommended during refilling**

## SECTION 9: Physical and chemical properties

**· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:**

**Form:** Fluid

**Colour:** Colourless

**· Odour:** Characteristic

**· Odour threshold:** Not determined.

**· pH-value:** Not determined.

**· Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** 82 °C

**· Flash point:** 13 °C

**· Flammability (solid, gas):** Not applicable.

**· Ignition temperature:** 354 °C

**· Decomposition temperature:** Not determined.

**· Auto-ignition temperature:** Product is not selfigniting.

**· Explosive properties:** Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.

**· Explosion limits:**

**Lower:** 0.7 Vol %

**Upper:** 12 Vol %

**· Vapour pressure at 20 °C:** 43 hPa

**· Density at 20 °C:** 0.77 g/cm<sup>3</sup>

**· Relative density** Not determined.

**· Vapour density** Not determined.

**· Evaporation rate** Not determined.

(Contd. on page 6)

**Safety data sheet**  
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Version number 42

Revision: 18.09.2020

Trade name: Insektizid P-16 CHZN3722

(Contd. of page 5)

- |  |  |
|--|--|
| · <b>Solubility in / Miscibility with water:</b> | Partly miscible.                           |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Not determined.                            |
| <b>Kinematic at 20 °C:</b>                       | 8 s (ISO 4 mm)                             |
| <b>Organic solvents:</b>                         | 33.0 %                                     |
| · <b>9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**Naphtha (petroleum), heavy alkylate**

Oral	LD50	>6,000 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (Rabbit)

**67-63-0 propan-2-ol**

Oral	LD50	5,280 mg/kg (Rat)
Dermal	LD50	17,600 mg/kg (Rabbit)

**51-03-6 2-(2-butoxyethoxy)ethyl 6-propylpiperonylether**

Oral	LD50	4,570-7,220 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>5.9 mg/l (Rat)

**52645-53-1 permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate**

Oral	LD50	300-2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	23.5 mg/l (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.09.2020

Version number 42

Revision: 18.09.2020

Trade name: Insektizid P-16 CHZN3722

(Contd. of page 6)

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

##### 67-63-0 propan-2-ol

EC50 (48h)	13,299 mg/l (Daphnia magna)
LC50 (96h)	9,640 mg/l (Pimephales promelas)

##### 51-03-6 2-(2-butoxyethoxy)ethyl 6-propylpiperonylether

EC50 (48h)	0.51 mg/l (Daphnia magna)
LC50 (96h)	3.94 mg/l (Cyprinodon variegatus)

##### 52645-53-1 permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

EC50 (24h)	0.02 mg/l (Daphnia magna)
LC50 (96h)	145 mg/l (Cyprinus carpio)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

##### Ecotoxicological effects:

- **Remark:** Very toxic for fish

##### Additional ecological information:

##### General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Very toxic for aquatic organisms

#### 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### European waste catalogue

02 00 00	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01 00	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 08*	agrochemical waste containing hazardous substances

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.09.2020

Version number 42




Revision: 18.09.2020

Trade name: Insektizid P-16 CHZN3722

(Contd. of page 7)

- **Uncleaned packaging:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1993
· <b>14.2 UN proper shipping name</b> · <b>ADR</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), C9-12-Iso-alkanes), ENVIRONMENTALLY HAZARDOUS  FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), C9-12-Iso-alkanes), MARINE POLLUTANT  FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), C9-12-Iso-alkanes)
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	YES Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b>	1L

(Contd. on page 9)

GB



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.09.2020

Version number 42

Revision: 18.09.2020

Trade name: Insektizid P-16 CHZN3722

(Contd. of page 8)

· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
<hr/>	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), C9-12-ISO-ALKANES), 3, II, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E1 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **National regulations:**

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons

≥30%

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

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.

H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

(Contd. on page 10)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

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Version number 42

Revision: 18.09.2020

**Trade name: Insektizid P-16 CHZN3722**

(Contd. of page 9)

*IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity - oral – Category 4**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**\* Data compared to the previous version altered.*

GB