

Safety data sheet

Regulation (EC) 1907/2006 and 1272/2008

Printing date 30.09.2022

Version number 2.0 (replaces version 1.0)

Revision Date 30.09.2022

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

- **1.1 Product identifier**
- **Trade name:** CHINCHEX BED BUGS INSECTICIDE
- **UFI:** 3KV8-951G-FC3D-PCNM

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Home use insecticide
- **Sector of Use:**
 Consumer uses: Private households / general public / consumers
 Industrial/Professional use
- **Uses advised against:**
 Follow the instructions in the box and the tutorial videos following the QR code in the packaging.
 During the application process use gloves, N95 mask and cover your hair, vacate the room for 90 minutes.
 Avoid exposure during application if suffering from respiratory condition.

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Company Name: CHINCHEX LIMITED
 Full address: 12/F, WING FAT LOONG BUILDING, 136 WAI YIP ST, KWUN TONG, HONG KONG
 Telephone: +852 6480 7024
 Email: info@chinchex.com
- **Only Representative / other EU contact point:** Not available

- **1.4 Emergency telephone number:**
 IRELAND
 National Poisons Information Centre:
 Tel: +353 (01) 809 2566 (For healthcare professionals)
 +353 (01) 809 2166 (For public; 8am - 10pm)

- Company Name: CHINCHEX LIMITED
 Emergency contact person: Agurtzane Pombo
 Emergency contact no.: +852 5417 6383

- **1.5 Reference Number:** HKHC2208005599HC-01 -3075

SECTION 2: Hazards identification

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



GHS07

STOT SE 3 H335 May cause respiratory irritation.

- **Information concerning particular hazards for human and environment:**
 The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**
 The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS07

· **Signal word** Warning· **Hazard-determining components of labelling:**

Amorphous Silica

· **Hazard statements**

H335 May cause respiratory irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Determination of endocrine-disrupting properties** Not applicable

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:**

Mixture of substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· **Composition:**

CAS: 112926-00-8	Silicon dioxide		55.0%
CAS: 112945-52-5	Amorphous Silica	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	45.0%

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General description**

Take affected persons out into the fresh air.

Keep warm, position comfortably and cover well.

Provide oxygen treatment if affected person has difficulty breathing.

Seek medical assistance if discomfort continues.

· **After inhalation:**

Take affected persons into fresh air.

Seek medical advice in case of complaints.

If breathing is difficult, provide oxygen treatment.

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- **After skin contact:**
Wash with plenty of water or soap and water.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Contact lenses user should remove contact lenses immediately when possible.
If symptom persists, consult a doctor.
- **After swallowing:**
Rinse mouth with water and spit the fluids out.
Call a doctor immediately.
In case of vomiting, hold the head of the affected person low with the body in a prone position in order to avoid aspiration.
- **4.2 Most important symptoms and effects, both acute and delayed** Respiratory irritation
- **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:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Not available
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected people away.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Use appropriate industrial vacuum cleaners to collect the product.
Rinse away with plenty of water.
Dispose of the material collected according to regulations.
Dispose contaminated material as waste according to Section 13.
- **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.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Avoid breathing dust.
 - Ensure good ventilation/exhaustion at the workplace.
 - For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** Fire fighting equipment must be available.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Requirements to be met by storerooms and receptacles:** Store in a cool, dry and well-ventilated place.
 - **Information about storage in one common storage facility:**
 - Store away from water.
 - Store away from foodstuffs.
 - **Further information about storage conditions:**
 - Keep container tightly sealed.
 - Store under lock and key and out of the reach of children.
 - Label containers and storage units clearly.
- **7.3 Specific end use(s)** Home use insecticide

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Ingredients with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **DNELs** Not available
 - **PNECs** Not available
 - **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
 - Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.
 - **Appropriate engineering controls**
 - Ensure that washing facilities are available at the work place.
 - Ensure adequate ventilation in working and storage area.
 - Storing food in the working area is prohibited.
 - Wash contaminated clothing before reuse.
 - Wash hands before breaks and at the end of work.
 - See section 7 for information about design of technical facilities.
 - **Individual protection measures, such as personal protective equipment**
 - **Respiratory protection:**
 - 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.
 - N95 mask
 - **Hand protection:**



Protective gloves

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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**

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.

· **Eyeface protection:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

· **Thermal hazards:** Not required for normal conditions of use.

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· Physical state	Powder
· Colour:	White
· Odour:	Odourless
· Odour threshold:	Not available
· Melting point/freezing point	Not available
· Boiling point or initial boiling point and boiling range	Not available
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not available
· Upper:	Not available
· Flash point:	Not available
· Auto-ignition temperature:	Not available
· Decomposition temperature:	Not available
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable
· Dynamic viscosity	Not applicable
· Solubility	
· water:	Not available
· Partition coefficient n-octanol/water (log value)	Not available
· Vapour pressure:	Not applicable

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- | | |
|--|----------------|
| · Density and/or relative density | |
| · Density: | Not available |
| · Relative density: | Not available |
| · Relative vapour density: | Not applicable |
| · Particle characteristics | Not available |

· **9.2 Other information**

- | | |
|----------------------|--------|
| · Appearance: | |
| · Form: | Powder |

· **Information with regard to physical hazard classes**

- | | |
|--|----------------|
| · Explosives | Not applicable |
| · Flammable gases | Not applicable |
| · Aerosols | Not applicable |
| · Oxidising gases | Not applicable |
| · Gases under pressure | Not applicable |
| · Flammable liquids | Not applicable |
| · Flammable solids | Not applicable |
| · Self-reactive substances and mixtures | Not applicable |
| · Pyrophoric liquids | Not applicable |
| · Pyrophoric solids | Not applicable |
| · Self-heating substances and mixtures | Not applicable |
| · Substances and mixtures, which emit flammable gases in contact with water | Not applicable |
| · Oxidising liquids | Not applicable |
| · Oxidising solids | Not applicable |
| · Organic peroxides | Not applicable |
| · Corrosive to metals | Not applicable |
| · Desensitised explosives | Not applicable |
| · Other safety characteristics | Not available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity:**
No decomposition if used according to specifications.
No further relevant information available.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:

CAS: 112945-52-5 Amorphous Silica

Oral	LD50	3,160 mg/kg (rat)
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· Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

The submitted GLP Study Report by third party laboratory STC (Dongguan) Company Limited (Report no.: DY22040196), conducted according to ISO 10993-10, Biological evaluation of medical devices - Part 10: Tests for irritation and skin sensitization (2010), indicated that the irritation response category of Chinchex bed bugs insecticide was categorized as negligible. The findings of the submitted report are briefly summarized below:

The test article, Chinchex bed bugs insecticide, was evaluated for primary skin irritation in rabbits. The test articles were applied directly to the tested animal without any treatment. 0.9% sodium chloride injection as negative control solution. Two test article and two 25mm x 25mm sections of absorbent gauze patches with 0.5ml control solution were topically applied to the skin of each of three rabbits and left in place for 4 hours. The sites were graded for erythema and edema at 1, 24, 48 and 72 hours after removal of the single application. There was no erythema and no edema observed on the skin of the animals treated with the test article. The Primary Irritation Index for the test article was calculated to be 0.0. The response of the test article was categorized as negligible.

· Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

The submitted GLP Study Report by third party laboratory STC (Dongguan) Company Limited (Report no.: DY22040198), conducted according to ISO 10993-23-2021 Biological evaluation of medical devices - Part 23 Tests for irritation, indicated that the Chinchex bed bugs insecticide was judged as non-irritation. The findings of the submitted report are briefly summarized below:

The test article, Chinchex bed bugs insecticide, was evaluated for eye irritation in rabbits. The test article was used directly for test. When gently compacted, instil that amount which occupies a volume of 100µl and does not weigh more than 100mg into the lower conjunctival sac of one eye of 3 rabbits in a group. Following instillation hold the eyelids together for approximately 1s. The eyes of the animals were examined at 1 hour, 24 hours, 48 hours and 72 hours after dripping. If there was no appeared eye irritation at 72 h, the test could be terminated. Under the conditions of this experiment, no appeared eye irritation was observed at 1, 24, 48 or 72 hours after contact, and the score of cornea, iris and conjunctiva was 0. The test article was judged as non-irritation.

· Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

The submitted GLP Study Report by third party laboratory STC (Dongguan) Company Limited (Report no.: DY22040197), conducted according to ISO 10993-10:2021, Biological evaluation of medical devices - Part 10 Tests for skin sensitization, indicated that the Chinchex bed bugs insecticide was not considered a sensitizer in the closed-patch test. The findings of the submitted report are briefly summarized below:

The test article, Chinchex bed bugs insecticide, was evaluated for the potential to cause delayed dermal contact sensitization in the closed-patch test. The test articles were extracted in Sesame oil. Each extract was directly applied to 10 test animals for 6 hours, 3 times a week for 3 weeks. The control group was treated with the same method of Sesame oil, and 5 animals per group. Following a recovery period, the test and control animals received a challenge patch of the appropriate the test sample for 6 hours. All sites were scored for dermal reactions at 24 and 48 hours after patch removal.

The test article extracts showed no evidence of causing delayed dermal contact sensitization in the guinea pig.

The test article was not considered a sensitizer in the closed-patch test.

· Gem 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 respiratory irritation.

· STOT-repeated exposure: Based on available data, the classification criteria are not met.

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- **Aspiration hazard:** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

- **Other information** No further relevant information available.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be disposed of in compliance with the respective national and local regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packaging / Container material: Plastic bottle inside a Paper box
Non contaminated packagings may be recycled.
Empty contaminated plastic packaging thoroughly. They may be recycled after thorough and proper cleaning.
Contaminated paper packaging must be disposed of according to official regulations.

SECTION 14: Transport information

- | | |
|--|----------------------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR/RID/ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG, IATA · Class · Label | Not applicable
Not applicable |

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· 14.4 Packing group · ADR/RID/ADN, IMDG, IATA	Not applicable
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · EMS Number:	Not applicable. Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Not applicable

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** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** Not applicable

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**

None of the ingredients is listed.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (10/6/2022)**

No ingredient identified at $\geq 0.1\%$

· **REACH Regulation Annex XVII Restriction (13/12/2021)**
See Section 16 for information about restriction of use.

None of the ingredients is listed.

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· **REACH Regulation Annex XIV Authorisation list (8/4/2022)**

None of the ingredients is listed.

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

SECTION 16: Other information

· **Relevant hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· **Classification according to Regulation (EC) No 1272/2008**

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· *****

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY

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· **Date of previous version:** 05.08.2022

· **Version number of previous version:** 1.0

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· ***Data compared to the previous version altered**

Section 1.3 Manufacturer email updated.

Section 1.4 Emergency contact person and contact no. updated.

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End of Document