



LUXEMBOURG

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Issue date: 12/10/2023

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers:

Trade name: Hadar SC

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

Relevant identified uses: Acaricide

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier: Luxembourg Industries Ltd.
27 Hamered St., Tel Aviv, 6812509
ISRAEL

EU representative (Article 95): Luxembourg Pamol (Cyprus) Ltd.

1.4 Emergency telephone number

Emergency phone number: Call local emergency information.
+972 (3) 796 4300

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Health hazards

Acute Toxicity - Oral	Category 4, H302
Acute Toxicity - Dermal	Category 4, H312
Acute Toxicity - Inhalation	Category 4, H332
Eye Irritation,	Category 2A, H319
Skin sensitization,	Category 1, H317

Environmental hazards

Aquatic acute toxicity	Category 1, H400
Aquatic Chronic toxicity	Category 1, H410

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms:



Signal word:

Warning

HADAR SC SDS-CLP

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LUXEMBOURG INDUSTRIES LTD

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Hazard statement(s):

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P264 Wash hands and face thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P261 Avoid breathing vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.

P301+P330 IF SWALLOWED: Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

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

2.3 Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria. Endocrine disrupting properties: None known.

3. Composition/information on ingredients**3.1 Substances**

Not relevant

3.2 Mixtures

Name	Product identifier	Conc.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cyhexatin	CAS No.: 13121-70-5	500 g/L	Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=1000); Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332
Biocide	CAS No.: 2634-33-5	≤ 1%	Acute tox. 4, H302;

			Skin Irri.2, H315; Eye dam. 1, H318; Skin Sens. 1, H317: C ≥ 0,05 %; Aquatic Acute 1, H400
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For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If inhaled:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If breathing is difficult or absent, send for immediate medical attention.
 If breathing has stopped, artificial respiration should be started by qualified personnel.
 Call a POISON CENTER or doctor/ physician if you feel unwell

If swallowed:

Wash mouth.
 Do not induce vomiting unless told to do so by a poison control center or doctor.
 Never give anything by mouth to an unconscious person.
 Call a POISON CENTER or doctor/ physician if you feel unwell

In case of eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists, call a poison control center or doctor for treatment advice.

In case of skin contact:

Take off contaminated clothing and wash before reuse.
 Rinse skin immediately with plenty of water for 15-20 minutes.
 If skin irritation or rash occurs: Get medical advice/attention.

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

Headache, dizziness.

4.3 Indication of any immediate medical attention and special treatment needed.

No specific antidote.
 In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

CO₂, extinguishing powder. Fight larger fires with water spray or alcohol-resistant foam. Do not use a direct stream of water to extinguish.

Unsuitable extinguishing media:

Not data

5.2 Specific hazards arising from the substance:

Can be released in case of fire: Carbon monoxide (CO) Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for fire-fighters:

Protective equipment:

Put on breathing apparatus. Wear full protective suit. Do not inhale explosion gases or combustion gases.

Additional information:

Collect contaminated fire-fighting water separately. It must not enter drains. Cool endangered containers with water spray jet.

6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment recommended in Section 8. Isolate the hazard area and deny entry from unnecessary and unprotected personnel.

6.2 Environmental precautions:

Collect with suitable equipment and do not allow to enter drainage system, surface or ground water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Place reclaimed product in a closed and properly labeled waste drum. Store drum in separate area until proper disposal. Flush residue with water. Wash thoroughly after handling.

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 information on disposal.

7. Handling and storage

7.1 Precautions for safe handling:

Wear suitable protective clothing. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Store in a cool and ventilated place, away from heat source and direct sunlight without open sewage system. Keep out the reach of children, unauthorized persons and animals. Keep away from food, drink and animal feeding stuffs.

Requirements to be met by storerooms and containers:

Store in cool location. Store only in the original container.

Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions). Store away from foodstuffs.

Further information about storage conditions:

Protect from frost. Protect from heat and direct sunlight. Keep the container tightly sealed.

7.3 Specific end uses:

Agriculture To be applied strictly for the uses described in the label.

8. Exposure controls / Personal protection

8.1 Control parameters:

Components with limit values that require monitoring at the workplace:

CAS: 13121-70-5 cyhexatin

TWA Long-term value 5 mg/m³

DNELs No further information available.

PNECs No further information available.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls:

Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations low.

Ensure that eyewash stations and safety showers are in proximity to the work-station location.

Personal protective equipment:

General protective and hygienic measures.

The usual precautionary measures for handling chemicals shall be observed. Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working. Take off immediately all contaminated clothing.

Breathing equipment: Breathing protection recommended.

Protection of hands: Protective gloves (rubber or plastic). Material of gloves. The selection of suitable gloves not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection: Tightly sealed safety glasses.

Body protection: Protective work clothing.

Boots: Safety shoes

Environmental exposure controls:

Prevent this product from entering into drains, ditches or rivers.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid suspension
Colour:	White to pale yellow
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not applicable
Boiling point or initial boiling point and boiling range:	> 100°C
Flammability:	Not applicable
Lower and upper explosion limit:	No data available
Flash point:	Not available
Ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	7.0-10.0
Kinematic viscosity:	1,200-2,000 cP (@ 20 °C, spindle 2, 12 rpm)
Solubility in water:	Dispersible
Partition coefficient n-octanol/water:	Not available
Vapour pressure:	Not available
Bulk density:	1.14-1.16 g/mL
Relative vapour density:	Not available
Particle characteristics:	Average D[4,3] ≤ 4 µm

9.2 Other information

Explosive properties:	No data available
Oxidizing properties:	No data available

Information with regard to physical hazard classes:

Explosives	No data available.
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

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
Oxidizing liquids	No data available
Oxidizing solids	Not applicable
Organic peroxides	No data available
Corrosive to metals	No data available
Desensitized explosives	No data available

10. Stability and reactivity

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

Stable at room temperature and under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions:

None 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:

None in standard storage conditions.

11. Toxicological information

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

Acute toxicity (cyhexatin)



Oral LD₅₀ (rat): 599 mg/kg
Dermal LD₅₀ (rat): >2000 mg/kg
Inhalation LC₅₀ (4 hr rat): 0.014 mg/L

Cyhexatin,
LOEL (2y, rat): 0.43 mg/kg
NOEL (1y, dog) 0.75 mg/kg bw/d

Skin corrosion/irritation

Skin irritation (rabbit): Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Eye irritation (rabbit): Causes serious eye irritation.

Respiratory or skin sensitization

Dermal sensitization (guinea pig): Is a contact sensitizer

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.

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

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

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

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

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

11.2 Information on other hazards

Not available.

*Specific Target Organ Toxicity

12. Ecological information

12.1 Toxicity (cyhexatin)

Toxicity to birds:

No data available

Toxicity to fish:

Carp LC₅₀ (96 hrs.): 0.0014 mg/L

Toxicity to crustacean:

Daphnia magna EC₅₀ (48 h): 0.0030 mg/L

Toxicity to algae:



Selenastrum capricornutum E_rC₅₀ (96 h) >0.099 mg/L

Toxicity to aquatic plants:

No data available

Toxicity to honeybees:

No data 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:

None of the ingredients meets the classification requirements.

12.6 Endocrine disrupting properties:

No further relevant information available.

12.7 Other adverse effects:

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Must not be disposed of together with household garbage.
Do not allow product to reach sewage system.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Do not empty dispose of waste or remains into sink or toilet, hand over to hazardous waste disposers.

14. Transport information

14.1 UN No.: 3082

14.2 UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyhexatin)

14.3 Transport hazard class: 9

14.4 Packing group: III

14.5 Environmental hazards: Marine pollutant

14.6 Special precautions for user:

Warning: Miscellaneous dangerous substances and articles.
Kemler Number: 90
EMS Number: F-A,S-F
Stowage Category A

14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

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 Commission Regulation (EU) 2020/878 of 18 June 2020.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

The information contained herein is applicable solely to the indicated product and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed, or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Full text of H-Statements referred to under section 3:

H302 Harmful if swallowed.

H312 Harmful in contact with skin

H332 Harmful if inhaled

H315 Causes skin irritation

H318 Causes serious eye damage

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

Issue date: 12/10/2023 (EA)

Version: 1

Replace version: Not relevant