

Safety data sheet

according to the REACH Regulation (EC) 1907/2006 amended by
Regulation (EU) 2020/878

Printing date: 29.12.2023

Version number 8 (replaces version 7)

Revision: 29.12.2023

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

1.1 Product identifier

Trade name: HARPUN

Formulation: Emulsifiable concentrate - EC

Active ingredient: Pyriproxyfen

CAS Number: Pyriproxyfen: 95737-68-1

UFI: HPRX-PAV8-F301-8J9R

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

Sector of Use SU1 Agriculture, forestry, fishery

Product category PC27 Plant protection products

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GALENIKA-FITOFARMACIJA a.d.

Batajnicki drum bb

11080 Belgrade

tel: + 381 (11) 3072-301

fax: + 381 (11) 3072 310

e-mail: office@fitofarmacija.rs

1.4 Emergency telephone number:

Ministry of Labour, Welfare and Social Insurance, Department of Labour Inspection

P.O.Box 24855, 1304 Nicosia, Cyprus

tel: +35722405611

email: cy-chemregistry(at)dli.mlsi.gov.cy

website: http://www.mlsi.gov.cy/

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

Aquatic Acute 1 H400 Very toxic to aquatic life.

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

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


GHS05

GHS07

GHS08

GHS09

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C10, aromatics, <1% naphthalene

Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts

Solvent naphtha (petroleum), heavy arom.

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Hazard statements

H318 Causes serious eye damage.

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.

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

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

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

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

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

P405 Store locked up.

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

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

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

Standard phrases for safety precautions

SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substance Not applicable.

3.2 Mixtures
Dangerous components:

EC number: 918-811-1	Hydrocarbons, C10, aromatics, <1% naphthalene	80-90%
	Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	
CAS: 95737-68-1 ELINCS: 429-800-1 Index number: 613-303-00-3	Pyriproxyfen	10%
	Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	
CAS: 68953-96-8 EINECS: 273-234-6	Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	2.5-5%
	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315	
CAS: 91-20-3 EINECS: 202-049-5 Index number: 601-052-00-2	Naphthalene	< 1%
	Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	

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Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eyes for several minutes under running water.

After swallowing: Do not induce vomiting; call for medical help immediately.

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:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters**Protective equipment:**

Wear fully protective suit and self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

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:

Do not allow product to reach sewage system or any water course.

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 section 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.

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SECTION 7: Handling and storage**7.1 Precautions for safe handling***Store in cool, dry place in tightly closed receptacles.**Ensure good ventilation/exhaustion at the workplace.***Information about fire - and explosion protection:** *No special measures required.***7.2 Conditions for safe storage, including any incompatibilities****Storage:***Store at room temperature in closed containers.**Store in a dry and cool place in original packaging.***Requirements to be met by storerooms and receptacles:***Store in a cool and dry, in the original packaging.**Keep away from heat or spark.***Information about storage in one common storage facility:** *Store away from foodstuffs.***Further information about storage conditions:** *None.***7.3 Specific end use(s)** *Refer to the label.***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.***Additional information:** *The lists valid during the making were used as basis.***8.2 Exposure controls****Appropriate engineering controls** *No further data; see section 7.***Individual protection measures, such as personal protective equipment****General protective and hygienic measures:***Wash hands before breaks and at the end of work.**Keep away from foodstuffs, beverages and feed.***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.***Hand protection***Protective gloves**Protective gloves (EN 374).***Material of gloves** *The selection of suitable gloves in accordance to EN 374.***Eye/face protection** *Goggles recommended during refilling***Body protection:** *Protective work clothing***Environmental exposure controls** *No special precautions required.*

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Light yellow
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Product is not flammable.
Lower and upper explosion limit	Data lacking.
Flash point:	64 °C (CIPAC MT 12)
Auto-ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
pH	4-7 (CIPAC MT 75)
Viscosity:	Data lacking.
Solubility	Not applicable.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	0.921 g/cm ³
Relative density	Not determined.
Vapour density	Not applicable.

9.2 Other information

Form:	Emulsifiable concentrate
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Crystallisation temperature / range:	
Oxidising properties	Data lacking.
Evaporation rate	Not applicable.

9.2.1. 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.

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Corrosive to metals
Desensitised explosives

Not applicable.
Not applicable.

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SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable under normal handling and storage conditions.

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 Source of ignition, heat, fire, high humidity, sparks.

10.5 Incompatible materials: Strong acids and alkalis, strong oxidising agents

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.

LD/LC50 values relevant for classification:

CAS: 95737-68-1 Pyriproxyfen

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	1.3 mg/l (Rat)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation:

Causes serious eye damage.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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.

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

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

EC50	>100 mg/l /(48h) (Daphnia magna)
ErC50	>100 mg/l /(72h) (algae)

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12.2 Persistence and degradability Pyriproxyfen is non-persistent.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil Pyriproxyfen is non-mobile.

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
Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

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

Very toxic for aquatic organisms

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.

Uncleaned packaging:
Recommendation: Disposal must be made according to national official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN, IMDG, IATA

UN3082

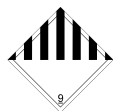
14.2 UN proper shipping name
ADR/RID/ADN, IMDG, IATA

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Pyriproxyfen)

14.3 Transport hazard class(es)
ADR/RID/ADN, IATA

Class
Label

9 Miscellaneous dangerous substances and articles.
9

IMDG

Class
Label

9 Miscellaneous dangerous substances and articles.
9

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14.4 Packing group
ADR/RID/ADN, IMDG, IATA
III
14.5 Environmental hazards:
Special marking (ADR/RID/ADN):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:
ADR/RID/ADN
Remarks:

Exempted from ADR + LQ (UN3077 + 3082 Class 9) according to extra provision ADR SV375 as of 01.01.15. "375. These substances when carried in single or combination packaging containing net quantity per single or inner packaging of 5 lit or less for liquids having a nett mass per single or inner packaging of 5KG or less for solids, are not subject to any other provisions."

IMDG
Excepted quantities (EQ)
5 L
UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRIPROXYFEN), 9, III

SECTION 15: Regulatory information

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

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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.

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.

Hazard phrases:

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

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*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.***Date of previous version: 27.12.2022****Version number of previous version: 7****Abbreviations and acronyms:***RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)**ICAO: International Civil Aviation Organisation**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**GHS: Globally Harmonised System**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)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Carc. 2: Carcinogenicity – Category 2**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*