

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Milben Ex

UFI: CYR9-MVFD-H99T-PY66

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

insecticide

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name:	Arthur Schopf Hygiene GmbH & Co. KG	
Street:	Pfaffensteinstr. 1	
Place:	D-83115 Neubeuern	
Telephone:	08035 9026 0	Telefax: 08035 9026-90
e-mail:	info@schopf-hygiene.de	
Contact person:	Arthur Schopf Hygiene GmbH & Co. KG	Telephone: 08035 90 26 -0
e-mail:	info@schopf-hygiene.de	
Internet:	www.schopf-hygiene.de	

Supplier

Company name:	Arthur Schopf Hygiene GmbH & Co. KG	
Street:	Pfaffensteinstr. 1	
Place:	D-83115 Neubeuern	
Telephone:	08035 9026 0	Telefax: 08035 9026-90
e-mail:	info@schopf-hygiene.de	
Contact person:	Arthur Schopf Hygiene GmbH & Co. KG	Telephone: 08035 90 26 -0
e-mail:	info@schopf-hygiene.de	
Internet:	www.schopf-hygiene.de	

Further Information

1.4. Notrufnummer: Schweiz, Tox Info Suisse: 145, vom Ausland: +41 44 251 51 51 Österreich,
Vergiftungsinformationszentrale: +43 1 406 43 43 Deutschland, Giftnotruf München: +49 89 19 240 France,
NRS / ORFILA : + 33 (0)1 45 42 59 59 Luxembourg, Vergiftungsinformationszentrale : +320 22649636

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 3; H226
Asp. Tox. 1; H304
STOT SE 3; H335
STOT SE 3; H336
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation**

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 2 of 10

Hazard components for labelling

Hydrocarbons, C9, aromatics
cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate;
cypermethrin cis/trans \pm 40/60
geraniol

Signal word: Danger**Pictograms:****Hazard statements**

H226 Flammable liquid and vapour.
H335 May cause respiratory 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

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to according to national waste disposal regulations.

Special labelling of certain mixtures

EUH208 Contains geraniol. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 3 of 10

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-95-6	Hydrocarbons, C9, aromatics			70 - < 75 %
	918-668-5		01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411			
52315-07-8	cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cypermethrin cis/trans \pm 40/60			20 - 25 %
	257-842-9	607-421-00-4		
	Acute Tox. 4, Acute Tox. 4, STOT SE 3, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H332 H302 H335 H373 H400 H410			
7696-12-0	tetramethrin			< 1 %
	231-711-6			
	Carc. 2, Acute Tox. 4, STOT SE 2, Aquatic Chronic 1; H351 H302 H371 H410			
106-24-1	geraniol			< 0.1 %
	203-377-1			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1; H315 H318 H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
52315-07-8	257-842-9	cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cypermethrin cis/trans \pm 40/60	20 - 25 %
		inhalation: ATE 3,3 mg/l (dusts or mists); oral: ATE 500 mg/kg Aquatic Acute 1; H400: M=100000 Aquatic Chronic 1; H410: M=100000	
7696-12-0	231-711-6	tetramethrin	< 1 %
		inhalation: LC50 = > 1180 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	

Further Information

Solven naphtha contains less than 0.1% benzene. Classification as a carcinogen or germ cell mutagen is not applicable (Note P of the EC List of Substances / Annex VI of EC Regulation 1272/2008). For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 4 of 10

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Medical treatment necessary.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), Extinguishing powder

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon monoxide

Nitrogen oxides (NO_x)

Hydrogen chloride (HCl)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Keep locked up and out of reach of children.

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 5 of 10

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Food and feedingstuffs

7.3. Specific end use(s)

insecticide

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment. Ensure good ventilation. This can be achieved by local exhaust or general exhaust air. Suitable assessment methods for checking the effectiveness of the protective measures taken include metrological and non-metrological investigation methods as described in the Technical Rules for Hazardous Substances (TRGS) 402.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear eye/face protection.
category EN 166:2001

Hand protection

Tested protective gloves must be worn
category EN ISO 374
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. category III
Suitable gloves type NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
Permeation time (maximum wear duration):: > 6 (480 min)

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering device (full mask or mouthpiece) with filter:: ABEK
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 6 of 10

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid:	
Colour:	product specific	
Odour:	product specific	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not applicable
		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		43 °C
Decomposition temperature:		not determined
pH-Value:		7
Water solubility:		easily soluble
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density (at 20 °C):		0,876 g/cm ³
Relative vapour density:		not determined

9.2. Other information**Information with regard to physical hazard classes**

Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Oxidizing properties	
Not oxidising.	

Other safety characteristics

Evaporation rate:	not determined
Solvent content:	ca. 80 %
Solid content:	not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No known hazardous reactions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Upon heating or in case of fire, formation of toxic gases. Hydrochloric gas

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 7 of 10

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

ATEmix calculated

ATE (oral) 2000,0 mg/kg

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
52315-07-8	cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cypermethrin cis/trans \pm 40/60				
	oral	ATE 500 mg/kg			
	inhalation dust/mist	ATE 3,3 mg/l			
7696-12-0	tetramethrin				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
	inhalation vapour	LC50 > 1180 mg/l	Rat		

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards

Further information

Due to the calculation method of the General Classification Guideline, the product has the EC for Preparations as issued in the latest version, the following hazards: unhealthy Dangerous for the environment flammable

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 8 of 10

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: 223
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 9 of 10

14.1. UN number or ID number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: A3 A324
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Hydrocarbons, C9, aromatics

14.6. Special precautions for user

Warning: Combustible liquid.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 75

National regulatory information

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Safety Data Sheet

according to UK REACH Regulation

Milben Ex

Revision date: 20.03.2025

Product code: 89_2023

Page 10 of 10

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	
STOT SE 3; H335	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH208	Contains geraniol. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)