

EC safety data sheet

Trade name: BOMBEX FARUMY

Product no.: D001334

Current version : 1.0.0, issued: 23.03.2018

Replaced version: -, issued: -

Region: IE

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

1.1 Product identifier

Trade name

BOMBEX FARUMY

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

Relevant identified uses of the substance or mixture

biocide

Insecticides, acaricides and products to control other arthropods.

Products used for the control of arthropods (e.g. insects, arachnids and crustaceans).

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Jesmond Holding AG

Baarerstrasse 8

CH-6300 Zug, Switzerland

Telephone no. +43 1 368 51 85 0

Fax no. +43 1 368 00 50

e-mail office@jesmond.com

Information provided by / telephone

+43 1 368 51 850

Advice on Safety Data Sheet

office@jesmond.com

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Classification information

Classification and labelling are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

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

Hazard pictograms



GHS09

Signal word

Warning

Hazard statement(s)

H410

Very toxic to aquatic life with long lasting effects.

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Hazard statements (EU)

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

Precautionary statement(s)

P273 Avoid release to the environment.
 P391 Collect spillage.
 P501 Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

ZW - mixture of EW (emulsion in water) and CS (capsule suspension)

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	Cyphenothrin		
	39515-40-7 254-484-5 - -	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	10,70 %-b.w.
2	prallethrin		
	23031-36-9 245-387-9 607-431-00-9 -	Acute Tox. 3*; H331 Acute Tox. 4*; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1,10 %-b.w.
3	propane-1,2-diol		
	57-55-6 200-338-0 - -	-	>= 5,00 - < 10,00 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(* , ** , *** , ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 1000	-
2	-	-	M = 100	M = 100

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

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After ingestion

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Carbon dioxide; Dry chemical extinguisher; Foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. Remove soiled or soaked clothing immediately. Do not inhale vapours.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

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Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Advice on storage assembly

Do not store together with: Oxidizing agents; Acids

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	propane-1,2-diol	57-55-6	200-338-0
List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)			
	Propane-1,2-diol		
	total vapour and particulates		
	TWA	470	150 ppm
List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)			
	Propane-1,2-diol		
	particulates		
	TWA	10	mg/m ³

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. Filter A or environment-independent breathing apparatus.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product . Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour
liquid, viscous
white
Odour
characteristic

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Odour threshold			
No data available			
pH value			
Value	6	-	8
Reference temperature		20	°C
Boiling point / boiling range			
Value		106	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	100	°C
Auto-ignition temperature			
Value		385	°C
Oxidising properties			
not oxidizing			
Explosive properties			
The product does not have explosive properties.			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0,9	-	1,01 g/cm ³
Reference temperature		20	°C
Method	CIPAC MT 3		
Solubility in water			
Remarks	dispersible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
	log Pow	5,79	- 6,09
2	prallethrin	23031-36-9	245-387-9
	log Pow	appr.	49

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Viscosity	
Value	168,45 mm ² /s
Reference temperature	40 °C
Type	kinematic

Corrosive to metals	
Non-corrosive to aluminum and steel.	
Method	UN C.1

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

10.5 Incompatible materials

Oxidizing agents; Acids

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No	Product Name		
1	BOMBEX FARUMY		
LD50	>	2000	mg/kg
Species	rat		
Method	OECD 425		

Acute dermal toxicity			
No	Product Name		
1	BOMBEX FARUMY		
LD50	>	5000	mg/kg
Species	rat		
Method	OECD 402		

Acute inhalational toxicity			
No	Product Name		
1	BOMBEX FARUMY		
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 436		

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Skin corrosion/irritation	
No	Product Name
1	BOMBEX FARUMY
Species	rat
Method	OECD 404
Evaluation	non-irritant

Serious eye damage/irritation	
No	Product Name
1	BOMBEX FARUMY
Species	rat
Method	OECD 405
Evaluation	non-irritant

Respiratory or skin sensitisation	
No	Product Name
1	BOMBEX FARUMY
Route of exposure	Skin
Species	mouse
Source	OECD 442-B
Evaluation	non-sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	prallethrin	23031-36-9	245-387-9
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	prallethrin	23031-36-9	245-387-9
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	prallethrin	23031-36-9	245-387-9
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration hazard
No data available

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
LC50		0,00034	mg/l
Duration of exposure		96	h
Species	fish		
2	prallethrin	23031-36-9	245-387-9
LC50		0,012	mg/l
Duration of exposure		96	h
Species	Rainbow trout		
Source	Pesticide Manual		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
EC50		0,00043	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
2	prallethrin	23031-36-9	245-387-9
EC50		0,0062	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	Pesticide Manual		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	prallethrin	23031-36-9	245-387-9
NOEC		0,00065	mg/l
Species	Daphnia magna		
Source	Manufacturer		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
EC50	>	0,014	mg/l
Duration of exposure		72	h
Species	Algae		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
Evaluation	not readily biodegradable		
2	prallethrin	23031-36-9	245-387-9
Evaluation	not readily biodegradable		

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12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Cyphenothrin	39515-40-7	254-484-5
log Pow		5,79	- 6,09
2	prallethrin	23031-36-9	245-387-9
log Pow		appr.	49

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code 02 01 08* agrochemical waste containing hazardous substances
The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Packaging

Completely discharge containers. Do not reuse product container.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Cyphenothrin prallethrin
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Cyphenothrin prallethrin
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

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14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	Cyphenothrin prallethrin
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:	E1
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REGULATION (EU) No 528/2012 concerning the making available on the market and use of biocidal products

Use biocides safely.
Always read the label and product information before use.
Cyphenothrin 10,7 %-b.w.
Prallethrin 1,1 %-b.w.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.

Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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