

Vazor Cypermax plus Safety Data Sheet

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

Control of Substances Hazardous to Health Regulations 2002 (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.



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

1.1 Product identifier

Vazor Cypermax plus (HSE9988)

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

Relevant identified uses: A micro-emulsion insecticide for professional use against crawling and flying insects such as: Flies, Moths, Beetles, Fleas, Ticks, Bedbugs, Cockroaches, Crickets, Silverfish, Booklice, Mites, Ants, Mosquitoes, Wasps and Centipedes. For use in and around domestic properties, public and municipal areas, refuse tips, poultry houses, slaughterhouses, and manure heaps.

Uses advised against: Uses outside of those described.

1.3. Details of the supplier of the safety data sheet

Address: Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ

Tel: +44 (0)1924 268 450

Fax: +44 (0)1924 265 033

Email: technical@killgerm.com

1.4. Emergency telephone number

Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.

Killgerm Chemicals Ltd Tel:01924 268452 (Office hours) Emergency Line, 01865407333

Non-medical professionals should seek information by contacting NHS by dialling 111.

SECTION 2: Hazards identification

2.1. Classification of the mixture according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4

H302: Harmful if swallowed.

Eye Dam. 1

H318: Causes serious eye damage.

Aquatic Chronic 1

H410: Very toxic to aquatic life with long lasting effects.

STOT RE 2

2.2. Label elements



GHS05



GHS07



GHS09



GHS08

Signal Word: **Danger**

Hazard statements:

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

EUH210: Safety data sheet available on request.

Precautionary statements:

P264: Wash skin thoroughly after handling.

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

P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.

P330: Rinse mouth

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

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

P310: Immediately call a POISON CENTER or doctor/physician.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P314: Get medical advice/attention if you feel unwell.

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container to an authorised waste collection point.

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

Safety data sheet available for professional user on request.

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



2.3. Other hazards

Contains: cypermethrin cis/trans +/- 40/60; (RS)- α -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Alcohols, C9-11, Ethoxylated, 5EO (H302)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Classification	Concentration %w/w	H Phrases M Factor
ALCOHOLS, C9-11, ETHOXYLATED CAS No: 68439-46-3	Acute Tox. 4: (Oral) Eye Dam. 1:	20-40%	H302 H318
CYPERMETHRIN CIS/TRANS +/- 40/60 (RS)- α -CYANO-3-PHENOXYBENZYL (1RS,3RS;1RS,3SR)-3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE CAS No. 52315-07-8	Acute Tox. 4: (Oral, Inhalation) STOT SE 3: Aquatic Acute 1: Aquatic Chronic 1:	10%	H302, H332 H335 H400 H410 M Factor:100000
Tetramethrin CAS No. 7696-12-0	Acute tox. 4 Carc. 2 STOT SE 2 (Nervous system, inhalation) Aquatic Acute 1 Aquatic Chronic 1	0.9%	H302 H315 H371 H400 H410 M Factor: 100
Phosphoric acid ... %, orthophosphoric acid ... % CAS No: 7664-38-2 EC No: 231-633-2	Skin Corr. 1B	<1%	Skin Corr. 1B H314: C \geq 25 % Skin Irrit. 2 H315: 10 % \leq C < 25 % Eye Irrit. 2 H319: 10 % \leq C < 25

See section 16 for full text of H phrases and hazard classification of ingredients.

SECTION 4: First aid measures

4.1. Description of first aid measures

General: If during or after use/exposure you begin to feel unwell, seek medical attention bringing a copy of the product label/the SDS.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice.

Skin contact: Remove all contaminated clothing. Wash skin immediately with soap and water. If irritation persists, seek medical advice.

Ingestion: DO NOT induce vomiting. Rinse mouth carefully with water. Seek medical attention immediately and show the product's container or label where possible.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Seek Medical Advice.

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

Skin contact: There may be irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat. May cause nausea/vomiting.

Inhalation: No symptoms.

Delayed / immediate effects: No symptoms.

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

Treat symptomatically. Immediately call a POISON CENTER or doctor/physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical, or carbon dioxide

5.2. Special hazards arising from the substance or mixture.

In combustion emits toxic fumes. If extinguishing media or spilt product enters drains or water courses, alert the Environment agency (emergency telephone number 0800 807060) or the relevant water company.

5.3. Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Prevent run off water from entering drains if possible
- Wear chemical protection suit and positive-pressure breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Wear appropriate PPE (See section 8.2). Do not wash spillage or contaminated material to drains. Turn leaking containers leak side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up.

Absorb spilt product with sand, diatomaceous earth, or similar absorbents and transfer to a marked container, ventilate the area. Dispose of as hazardous waste following local regulations. Clean area with soap and water where possible.

6.4. Reference to other sections

See section 8 for protective clothing, see section 7 for safe handling, See section 13 for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

To avoid risks to man and the environment, comply with instructions for use.

*The COSHH (CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH) REGULATIONS 2002 (AS AMENDED) APPLY TO THE USE OF THIS PRODUCT AT WORK.

*KEEP IN A SAFE PLACE.

*WASH HANDS AND EXPOSED SKIN BEFORE MEALS AND AFTER USE.

*COVER ALL WATER STORAGE TANKS BEFORE APPLICATION.

*DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

*COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION

*AVOID EXCESSIVE CONTAMINATION OF COVERALLS.

*DO NOT TOUCH TREATED SURFACES UNTIL DRY.

*DO NOT APPLY TO CLOTHES AND BEDDING.

*EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT.

*DO NOT APPLY DIRECTLY TO ANIMALS.

* DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY.

*HAZARDOUS TO BEES.

*ALL BATS ARE PROTECTED UNDR THE WILDLIFE AND COUNTRYSIDE ACT OF 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS CONSULT NATURAL ENGLAND, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES.

*ACTION SHOUL BE TAKEN TO PREVENT FORAGING BEES GAINING ACCESS TO TREATED NEST. PREFERABLY BY REMOVING THE COMBS OR BLOCKING THE NEST ENTRANCE.

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***THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.**

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities.

Store closed container in a secure location away from children and animals when not in use.

Do not store alongside strong oxidising agents, acids, and bases. Store in a cool, well-ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substances

Chemical Name	DNEL (Consumer; inhalational, long term local effects)	DNEL (Industry; inhalational, long term local effects)
Phosphoric acid ...%, orthophosphoric acid ...%	0.73 mg/m ³	2.92 mg/m ³

8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required.

PPE	Item in use	Spillage
Respiratory	Wear half mask respirator (EN140) plus A1P2 class filter minimum (EN141)	Wear half mask respirator (EN140) plus A1P2 class filter minimum (EN141)
Gloves	Protective Gloves to EN 374 e.g., Nitrile.	Protective Gloves to EN 374 e.g., Nitrile.
Overall	Low levels of contamination: coverall type 5/6.	Low levels of contamination: coverall type 5/6.
Goggles	Goggles to EN 166 34	Goggles to EN 166 34

General safety and hygiene: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink, and animal feeding stuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Pale Amber liquid.
Odour:	Characteristic odour.
Odour threshold:	No data
pH:	3-5.
Melting point/freezing point:	No available data.
Initial boiling point/boiling range:	No available data.
Flash point:	>93°C.
Evaporation rate:	No available data.
Flammability:	No available data.
Upper/lower flammability or explosive limits:	No available data.
Vapor pressure:	No available data.
Vapor density:	No available data.
Relative density:	1.060g/ml @ 20°C.
Solubility(ies):	Immiscible with water
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	No available data.
Decomposition temperature:	No available data.
Viscosity:	Viscous.
Explosive properties:	Not applicable.
Oxidising properties:	No available data.

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9.2 Other Information

No further relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

10.2. Chemical stability

Stable under recommended conditions of storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid.

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Classification of the product was conducted by calculation method according to regulation 1272/2008 based on the content of hazardous ingredients:

Acute toxicity

Estimated LD₅₀ (oral) (ATE): 1428.571 mg/kg.

Estimated LD₅₀ (dermal) (ATE): >4000 mg/kg.

Estimated LD₅₀ (inhalational) (ATE): 110 mg/l/4hr (gas/vapour)

Chemical Name	LD50(Oral, rat)	LD50(Skin, rat)	LC50 (inhalation, rat)	LD50(dermal, rabbit)
Cypermethrin	500mg/kg bw/day	>2000mg/kg	3.3mg/l/4h	
Tetramethrin	>2000mg/kg	>2000mg/kg	5.63mg/l/4h	
Alcohols, C9-11, Ethoxylated,	1378mg/kg			
phosphoric acid %, orthophosphoric acid %	2600mg/kg			2740mg/kg

a) acute toxicity: Based on data available Product classified as ACUTE TOX cat.4 Oral. Information has been derived from the properties of the individual ingredients.

b) irritation: Skin, respiratory tract – no irritation potential expected. Based on data available Product has been classified as EYE DAMAGE cat.1. Information derived from the properties of the individual ingredients.

c) corrosivity: Based on data available Product has been classified as EYE DAMAGE cat.1. Information derived from the properties of the individual ingredients.

d) sensitisation: Based on data available classification criteria are not met.

e) repeated dose toxicity: The product has not been tested. Repeated exposure to small quantities may affect certain organs. Information derived from the properties of the individual ingredients.

f) carcinogenicity: Contains Tetramethrin suspected of causing cancer.

g) mutagenicity: product does not contain any compounds with germ cell mutagenicity hazard.

h) toxicity for reproduction: Based on data available. classification criteria are not met.

i) aspiration: Based on data available classification criteria are not met.

11.2. Other Data

See section 2.3.

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SECTION 12: Ecological information

12.1. Toxicity

Ecological toxicity has been derived from the properties of the individual ingredients. No testing has been carried out.

Tetramethrin: Very toxic to aquatic organisms.

Chemical name	IC50 (algae)	EC50 (daphnia)	LC50(Fish)
Tetramethrin	1.36mg/l (72 hr)	0.47mg/l (48 hr)	0.033mg/l(96hr)
Phosphoric acid %	>100mg/l (72 hr)	>100mg/l (48 hr)	3mg/l (96hr)
Orthophosphoric acid %			

12.2. Persistence and degradability

Not Biodegradable

12.3. Bio accumulative potential

Bioaccumulation potential.

12.4. Mobility in soil

Readily absorbed into the soil.

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Toxic to aquatic organisms. Toxic to soil organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of unused product, empty containers and contaminated packaging must be made in accordance with the local law. For information on disposal in the UK contact the environment agency (www.environment-agency.gov.uk) or SEPA (www.SEPA.org.uk).

Dispose of unused product in the original container as hazardous waste.

Empty containers and contaminated PPE should be considered hazardous and disposed of appropriately.

Suggested European waste catalogue code 20 01 19.

SECTION 14: Transport information

14.1. UN number

UN 3082

14.2. UN proper shipping name

Environmentally hazardous substance, Liquid, N.O.S.

14.3. Transport hazard class(es).

Class 9

14.4. Packing group

Group III

14.5. Environmental hazards

Marine pollutant, environmentally hazardous

14.6. Special precautions for user

Tunnel code: - Transport category: 3

Contains: cypermethrin cis/trans +/- 40/60; (RS)- α -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate

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

Not applicable.

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SECTION 15: Regulatory information

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

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The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

- Restricted to trained professional users in the UK.
- Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance.
- The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Use only in accordance with label instructions. Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

Ingredient classification data:

Acute Toxicity. 4:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H335 May cause drowsiness or dizziness.

Specific Target organ toxicity single Exposure Cat.3
(Central nervous system)

H400 Very toxic to aquatic life

Acute Aquatic Toxicity cat1

H410 Very toxic to aquatic life with long lasting effects.

Chronic Aquatic Toxicity Cat.1

H411 Toxic to aquatic life with long lasting effects.

Chronic Aquatic Toxicity Cat.2

H318 Causes serious eye damage.

Eye Damage Cat. 1:

H351 Suspected of causing cancer.

Carcinogen. 2

H371 May cause damage to nervous system if inhaled.

Specific Target organ toxicity single Exposure Cat.2
(Nervous system, inhalation)

Issue number (date)	Section amended
Apr 2023	Change in classification, Updated Emergency line telephone number
Jan 2022	Addition of emergency number.
Dec 2021	Update to regulatory information dealing with Brexit
August 2020	Update to PPE
Feb 2020	Update to the Classification
Feb 2016	Previous version

This safety data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.