

Vazor Phepra CS

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830



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

1.1 Product identifier

Vazor Phepra CS (HSE 10856)

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

Relevant identified uses: Insect control.

Uses advised against: Use only as instructed.

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)

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 Toxicity Cat.4

H332 Harmful if inhaled.

Aquatic Acute Cat.1

H400 Very toxic to aquatic life.

Aquatic Chronic Cat.1

H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements



GHS:07

GHS:09

Signal Word: WARNING

Hazard statements:

H332 Harmful if inhaled.

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.

P103 Read label before use.

P261 Avoid breathing vapours/spray.

P271 Use only outdoors or in well ventilated area.

P501 Dispose of contents/container to a facility in accordance with local/regional/national regulations.

2.3. Other hazards

PBT: this material does not contain any substance identified as PBT or vPvB

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Concentration	Classification	H Phrases
1R-Trans phenothrin Cas no: 26046-85-5 EC no:247-431-2	10%w/w	Aquatic Acute 1 Aquatic chronic 1	H400 H410
Prallethrin Cas no:23031-36-9 EC no: 245-387-9	1%w/w	Acute Tox 3 Acute tox 4 Aquatic Acute 1 Aquatic chronic 1	H331 H302 H400 H410
Propane-1,2-diol Cas no: 57-55-6 EC no:200-338-0	≥5%w/w<10%w/w		

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: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Do not rub, product is mechanically abrasive. If irritation persists, seek medical advice.

Skin contact: If on skin: wash area with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: get medical attention

Ingestion: If Swallowed: Rinse mouth thoroughly with water, Give plenty of water. Do NOT induce vomiting.

Inhalation: If Inhaled: Remove person to fresh air and keep comfortable for breathing.

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

No further relevant information

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

In the event of a fire, the following can release: Carbon monoxide (CO): Carbon dioxide (CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and appropriate protective equipment.

Fire residues and contaminated extinguishing media should be disposed according to current regulation. Do not allow extinguishing media to enter sewers, ground water or water courses.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Refer to protective measures listed in section 7 and 8.

6.2. Environmental precautions

Do not allow the product to enter sewers, ground and surface waters. Do not rinse product to the sewers. In case of water contamination - inform appropriate authorities immediately. Prevent ground penetration.

6.3. Methods and material for containment and cleaning up

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

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

Avoid contact with skin and eyes. If workplace exposure limits are exceeded, respiratory protection must be worn. Risks inherent in handling the product must be minimised by applying the appropriate protective and preventative measures. Working processes should, so far as possible, according to the state of the art be designed to rule out bodily contact or the release of hazardous substances.

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. Do not inhale vapours, Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed in a cool, dry place. Store away from children.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values Propan-1,2-diol (CAS No: 57-55-6):

WEL Long-term (8hr TWA) Vapour and particulates: 474mg/m³ 150ppm, particulates 10mg/m³

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
Respirators	Wear Mask with a A1P3 filter.	Wear Mask with a A1P3 filter.
Gloves	Protective Gloves to EN 374 Nitrile or PVC.	Protective Gloves to EN 374 Nitrile or PVC.
Overall	coverall type 5/6.	coverall type 5/6.
Goggles / Face shield	Goggles to EN 166	Goggles to EN 166

General safety and hygiene measures: 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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	White Liquid.
Odour:	Ester like.
Odour threshold:	No data
pH:	5.37
Melting point/freezing point:	No available data.
Initial boiling point/boiling range:	No available data.
Flash point:	>100oC.
Evaporation rate:	Not applicable.
Flammability:	Not combustible
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Relative density:	not available (density 1.037g/cm ³ @20oC)
Solubility(ies):	Water (dispersible)
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	400oC max.
Decomposition temperature:	No available data.
Viscosity:	20-200mPa*s@20oC (dynamic).
Explosive properties:	None.
Oxidising properties:	not oxidising.

9.2 Other Information

Particle size: D (v, 0.5) 1.68µM, D (v, 0.9) 2.78µM

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under recommended conditions of storage and handling.

10.2. Chemical stability

Chemically stable @25oC.

10.3. Possibility of hazardous reactions

Not a reactive mixture.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7)

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None Known.

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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:

a) acute toxicity: Acute oral LD50 >5000mg/kg rat (female) OECD 425 Product Safety Labs, Dayton, USA.

Acute dermal LD50 >5000mg/kg rat (male/female) OECD 402 Product Safety Labs, Dayton, USA

Acute inhalational LC50 >2.05mg/l (4hr) dust/mist rats (male/female) OECD 403 Product Safety Labs, Dayton, USA

b) irritation: Moderately irritating, Rabbit OECD 404, Product Safety Labs, Dayton, USA, based on available data, the classification criteria are not met.

c) corrosivity: Based on data available classification criteria are not met.

d) sensitisation: Based on data available classification criteria are not met. Mouse (female) OECD 429 Product Safety Labs, Dayton, USA.

e) repeated dose toxicity: Based on data available classification criteria are not met.

f) carcinogenicity: Based on data available classification criteria are not met.

g) mutagenicity: Based on data available classification criteria are not met.

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

i) aspiration: No information.

11.2. Other Data

See section 2.3

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish (acute)

1R-Trans Phenothrin Cas no: 26046-85-5 LC50 0.0027mg/l (96h) fish.

Prallethrin Cas no:23031-36-9 LC50 0.012mg/l (96h) Rainbow trout.

Toxicity to Daphnia (acute)

1R-Trans Phenothrin Cas no: 26046-85-5 EC 0.0043 mg/l (48h) Daphnia magna.

Prallethrin Cas no:23031-36-9 EC 0.0043mg/l (48h) Daphnia magna.

Toxicity to Daphnia (chronic)

1R-Trans Phenothrin Cas no: 26046-85-5 NOEC 0.00047 mg/l Daphnia magna.

Prallethrin Cas no:23031-36-9 NOEC 0.00065mg/l Daphnia magna.

Toxicity to algae (Acute) no available data

Toxicity to algae (Chronic) no available data

12.2. Persistence and degradability

Prallethrin: not readily biodegradable

12.3. Bioaccumulative potential

1R Trans-Phenothrin Log Pow 6.8

Prallethrin Log Pow 49 (approx.)

12.4. Mobility in soil

No available data.

12.5. Results of PBT and vPvB assessment

No available data.

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of the product, empty containers and contaminated packaging must be made in accordance with the local law.

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 waste code 20 01 19.

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SECTION 14: Transport information

14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(1R Trans Phenothrin and Prallethrin)

14.3. Transport hazard class(es).

9

14.4. Packing group

III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS.

14.6. Special precautions for user

No available data

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

Labelling according to Regulation (EC) No 1272/2008

Control of Substances Hazardous to Health Regulations 2002 (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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.

Hazard safety information full text:

Acute Toxicity Cat.3

H331 Toxic if inhaled.

Acute Toxicity Cat.4

H332 Harmful if inhaled.

H302 Harmful if swallowed.

Aquatic Acute Cat.1

H400 Very toxic to aquatic life.

Aquatic Chronic Cat.1

H410 Very toxic to aquatic life with long lasting effects

Issue number (date)	Section amended
Issued (May 2021)	First creation.

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.

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