

# 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) 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 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

**Hazardous component(s) to be indicated on label:**

Prallethrin

### 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. The product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Chemical Characterisation

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

##### 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		

##### Acute toxicity estimate (ATE) VALUES

Ingredient Name	Oral
Prallethrin	640 mg/kg bodyweight

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. Remove contaminated clothing and shoes and launder thoroughly before reusing.
- Eye contact:** Remove contact lenses. Rinse eye thoroughly under running water keeping the eyelids wide open and protecting the unaffected eye (at least 10 to 15 min) Do not rub. If irritation persists, seek medical advice.
- Skin contact:** Wash area with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
- Ingestion:** Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.
- Inhalation:** 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 (CO<sub>2</sub>)

#### 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, well-ventilated 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 Propane-1,2-diol (CAS No: 57-55-6):

WEL Long-term (8hr TWA) Vapour and particulates: 474mg/m<sup>3</sup> 150ppm, particulates 10mg/m<sup>3</sup>

#### 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:	>100°C.
Evaporation rate:	Not applicable.
Flammability:	Product is not flammable according to criteria defined under 2.6 (CLP)
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Relative density:	Density 1.037g/cm <sup>3</sup> @20°C
Solubility(ies):	Water (dispersible)
Partition coefficient n-octanol/water (log Kow):	1R-trans phenothrin (6.8 log Pow), Prallethrin (49 log Pow)
Auto-ignition temperature:	400°C max.
Decomposition temperature:	No available data.
Viscosity:	20-200mPa*s@20°C (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 @25°C.

#### 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  
Prallethrin Cas no:23031-36-9

LC50 0.0027mg/l (96h) fish.  
LC50 0.012mg/l (96h) Rainbow trout.

#### Toxicity to Daphnia (acute)

1R-Trans Phenothrin Cas no: 26046-85-5  
Prallethrin Cas no:23031-36-9

EC50 0.0043 mg/l (48h) Daphnia magna.  
EC50 0.0062mg/l (48h) Daphnia magna.

#### Toxicity to Daphnia (chronic)

1R-Trans Phenothrin Cas no: 26046-85-5  
Prallethrin Cas no:23031-36-9

NOEC 0.00047 mg/l Daphnia magna.  
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

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### 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.

## 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. Symbol "fish and tree"

### 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

#### 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 (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (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, mixtures and articles.

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.				No. 3
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII				
No.	Substance Name	CAS No.	EC. No	No.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	Propan-2-ol	67-63-0	200-661-7	75
3	p-toluenesulphonic acid (containing a maximum of 5% H2SO4)	104-15-4	203-180-0	75
4	xylene	1330-20-7	215-535-7	75

#### 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

