

1 Identification of the preparation and the supplying Company

- 1.1 Vazor Cypermethrin 10 (HSE 10085)
- 1.2 A professional use only broad spectrum pyrethroid insecticide concentrate for the control of flying and crawling pests. Not to be used on porous surfaces or against foraging bees.
- 1.3 Killgerm Chemicals Ltd, Wakefield Road, Ossett, West Yorkshire, WF5 9AJ.
Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com
- 1.4 Emergency telephones.
Medical professionals in the United Kingdom should use National Poisons Information Service
Tel: 0344 892 0111. Killgerm Chemicals Ltd, 01924 268 452 (Office hours)
Non-medical professionals should seek information by contacting NHS on 111.

2 Hazards identification

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

Acute Toxicity (oral)	Category 4;	H302
Skin sensitisation	Category 1;	H317
Aquatic Acute Hazard	Category 1;	H400
Aquatic Chronic Hazard	Category 1;	H410

2.2. Label elements



Signal Word: Warning

Hazard Statements:

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements:

P102 - Keep out of reach of children

P261 - Avoid breathing dust, fume, gas, mist, spray, vapours

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

P280 - Wear eye protection, protective gloves

P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

P501 - Dispose of contents/container to Collection point.

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

2.3. Other hazards

No data available.

3 Composition and information on ingredients

3.2. Mixtures

Hazardous Components in Product

Ingredient Name	Classification	Concentration	H Phrases
Cypermethrin cis/trans +/- 40/60 (CAS-No.) 52315-07-8 (EC-No.) 257-842-9 (EC Index-No.) 607-421-00-4	Acute Tox. 4 (Oral) Acute Tox. 4 (Inhalation, dust, mist) STOT SE 3, Aquatic Acute 1 (M = 1000) Aquatic Chronic (M=1000)	10.17 %	H302 H332 H335 H400 H410

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

4 First Aid measures

4.1. Description of first aid measures

General First-aid measures: Call a poison centre or a doctor if you feel unwell.

Ingestion (swallowing): Rinse mouth. Call a poison centre or a doctor if you feel unwell.

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

Skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Rinse eyes with water as a precaution.

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

May cause an allergic skin reaction after skin contact.

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

Treat symptomatically.

5 Fire-fighting measures

5.1. Extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide. **Unsuitable extinguishing media:** High water jet spray.

5.2. Special hazards arising from the substance or mixture: Toxic fumes may be released.

5.3. Advice for fire-fighters: Do not attempt to act without suitable protective equipment. Wear self-contained breathing Apparatus and complete protective clothing.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing spray. Do not attempt to act without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions: Avoid release to the environment.

6.3. Methods and material for containment and cleaning up: Collect spillage and clean up by using absorbent material. Dispose of materials or solid residues at an authorised site.

6.4. Reference to other sections: For further information refer to section 13.

7 Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing spray. Wear personal protective equipment. Store at room temperature. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in well-ventilated place. Keep cool.

Maximum storage period: 2 years

Storage temperature: $\geq 5^{\circ}\text{C}$

7.3. Specific end use(s)

No additional information available.

8 Exposure controls and personal protection

8.1. Control parameters

None for use in the United Kingdom

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	In case of insufficient ventilation, wear half mask respirator (EN140) plus A1P2 class filter minimum (EN141)	In case of insufficient ventilation, wear half mask respirator (EN140) plus A1P2 class filter minimum (EN141)
Gloves	Unlined synthetic rubber/PVC (300mm) minimum thickness	Unlined synthetic rubber/PVC (300mm) minimum thickness
Overall	Low levels of contamination – coverall Type 5/6 High levels of contamination – Coverall type 4	Low levels of contamination – coverall Type 5/6 High levels of contamination – Coverall type 4
Goggles/ Face shield	Face shield to EN 166 3F	Face shield to EN 166 3F

9 Physical and chemical properties

9.1. General information

Appearance: White opaque liquid

Odour: characteristic

pH: 4 - 5

Density: 0.98 g/ml (20°C)

Flammability: Not applicable

Boiling point/boiling range: No data available
Vapour density: No data available
Vapour pressure: No data available
Melting point/freezing point: Not applicable
Solubility in water: (1% in water): Emulsion
Solubility in other solvents: No data available
Explosive properties: No data available.
Combustibility: No data available.
Oxidising properties: No data available.
Viscosity, kinematic: 65,4 mm²/s
Viscosity, dynamic: No data available
Evaporation rate: No data available.
Partition coefficient: No data available.
Decomposition temp: No data available.
Auto-ignition temp: 385 °C

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 normal conditions.
- 10.3. Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.
- 10.4. Conditions to avoid:** None under recommended storage and handling conditions (see section 7).
- 10.5. Incompatible materials:** Strong acid. Strong bases. Strong oxidizing agents
- 10.6. Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

11.1 Information on toxicological effects: Vazor Cypermethrin 10

- (a) acute toxicity; harmful if swallowed LD₅₀ oral rat 300 – 2000mg/kg; LD₅₀ dermal rabbit >4000 mg/kg; LC₅₀ inhalation >5 mg/l/4h
- (b) irritation; Not classified
- (c) corrosivity; Not classified
- (d) sensitisation; May cause an allergic skin reaction.
- (e) repeated dose toxicity; Not classified
- (f) carcinogenicity; Not classified
- (g) mutagenicity; Not classified (NOAEL (chronic, oral, animal/male, 2 years) 5 mg/kg bodyweight)
- (h) toxicity for reproduction; (Not classified NOAEL (chronic, oral, animal/male, 2 years) 5 mg/kg bodyweight)

11.1.1 Cypermethrin cis/trans +/- 40/60 (52315-07-8) LD₅₀ oral rat 500 mg/kg; LD₅₀ dermal rat > 2000 mg/kg; LC₅₀ inhalation rat (mg/l) 3,28 mg/l/4h

11.2 Other data: see section 2.3

12 Ecological information

12.1. Toxicity:

Vazor Cypermethrin 10 - Very toxic to aquatic life with long lasting effects LC₅₀ fish 0.0242 mg/l (96h); EC₅₀ Daphnia 0.014 mg/l (4h); Erc₅₀ algae >1000 mg/l (72h).

Cypermethrin cis/trans +/- 40/60 (52315-07-8) LC₅₀ fish 1 0,0028 mg/l (96h; Salmo gairdneri); EC₅₀ Daphnia 1 0,0003 mg/l (48h; Daphnia magna); ErC₅₀ (algae) > 0,1 mg/l (96h; Selenastrum capricornutum); NOEC chronic fish 0,00003 mg/l (34d Pimephales promelas); NOEC chronic crustacea 0,00004 mg/l Daphnia magna

12.2. Persistence and degradability: Not readily biodegradable

12.3. Bio accumulative potential: Cypermethrin (CAS 52315-07-8) Log Pow 5.3 - 5.6 (25°C); BCF fish 1 1204 mg/l (Salmo gairdneri)

12.4. Mobility in soil: Vazor cypermethrin 10 Surface tension 25.6 mN/m

12.5. Results of PBT and vPvB assessment: not applicable

12.6. Other adverse effects: no additional information

13 Disposal considerations

13.1. Waste treatment methods:

Regional legislation (waste): Disposal must be done according to official regulations and licensed collector's sorting instructions.
Waste treatment methods: Dispose of this material and its container to hazardous or special waste collection point.
Additional information: Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public waters.

14 Transport information

14.1. UN number: 3082

14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: Dangerous for the environment and marine pollutant.

14.6. Special precautions for user:

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR): T4

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT

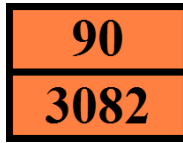
Transport category (ADR) : 3

Special provisions for carriage – Packages (ADR): V12

Special provisions for carriage - Loading,
unloading and handling (ADR): CV13

Hazard identification number (Kemler No.) : 90

Orange plates :



Tunnel restriction code : E

EAC code : •3Z

- Transport by sea

Special provisions (IMDG) : 274, 335

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP2, TP29

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

- Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 450L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158

ERG code (IATA) : 9L

- Inland waterway transport

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 601

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1

Mixed packing provisions (RID) : MP19

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory information

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Vazor Cypermethrin 10
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Vazor Cypermethrin 10
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Vazor Cypermethrin 10

15.2. Chemical safety assessment: No chemical safety assessment has been carried out.

16 Other information

Full texts of Hazard statements

H302 Harmful if swallowed

H317 May cause an allergic skin reaction

H332 Harmful if inhaled

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

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

Section	Changed item	Change
1.2	Use and restriction	modified
1.3	Emergency contact	number changed
2.1	Pictograms	removed
2.2	Pictograms	added
2.2	Supplementary Hazard Statement	added
3.2	R phrases	removed
4	First-Aid measures	modified
5	Firefighting measures	modified
6	Accidental release	modified
7	Handling storage	modified
8	Exposure controls and personal protection	modified
10	Stability and reactivity	modified
11	Toxicological information	modified
14.6	Special precautions for users	added

This data sheet does not constitute a COSHH assessment.

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