

1 Identification of the preparation and the supplying Company

1.1 Vazor Cypermax plus (HSE 9988)

1.2 A broad spectrum pyrethroid insecticide for the control of crawling and flying insect pests in and around domestic and public buildings and food processing factories

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 should use National Poisons Information Service Tel: 0870 600 6266. Killgerm Chemicals Ltd, 01924 268452 (Office hours)

Non-medical professionals should seek information by contacting NHS 111, Tel :111

2 Hazards identification

2.1. Classification of the substance or mixture

Aquatic Acute 1: H400; Aquatic Chronic 1: H410; -: EUH210

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

2.2. Label elements



H400: Very toxic to aquatic life.

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

Hazard pictograms: GHS09: Environmental

Signal words: Warning

Precautionary statements:

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazard

3 Composition and information on ingredients

3.2. Mixtures

Hazardous Components in Product

Ingredient Name	Classification	Concentration	H Phrases
Cypermethrin CAS No:52315-07-8	Acute Tox. 4 STOT SE 3 Aquatic Chronic 1 Aquatic Acute 1	10-30%	H332, H302, H335 H410 H400
Tetramethrin CAS No:7696-12-0	Aquatic Acute 1 Aquatic Chronic1	1-10%	H410 H400

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

4 First Aid measures

4.1. Description of first aid measures

Ingestion (swallowing): Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes

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

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed ...See 4.2

5 Fire-fighting measures

5.1. Extinguishing media Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture: In combustion emits toxic fumes.

5.3. Advice for fire-fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Refer to section 8 of SDS for personal protection details. 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: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections: Refer to section 8 of SDS.

7 Handling and storage

7.1. Precautions for safe handling Avoid the formation or spread of mists in the air. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities: 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)

8 Exposure controls and personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC No data available

8.2. Exposure controls

Engineering measures: The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure there is sufficient ventilation of the area.

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	Filtering face piece to EN 149 or a half mask respirator to EN140 and a P class filter to EN143.	Filtering face piece to EN 149 or a half mask respirator to EN140 and a P class filter to EN143.
Gloves	Unlined synthetic rubber/PVC (300mm) eg. Solvex nitrile	Unlined synthetic rubber/PVC (300mm) eg. Solvex nitrile
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 Ensure eye bath is to hand	Face shield to EN 166 3F

9 Physical and chemical properties

9.1. General information

State: Liquid

Colour: Yellow

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Miscible

Viscosity: Viscous

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available. upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.050g/ml pH: Approx. 4

VOC g/l: No data available.

10 Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid: Heat.

10.5. Incompatible materials: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products: In combustion emits toxic fumes.

11 Toxicological information

TETRAMETHRIN

DERMAL RAT LD50 >2000 mg/kg

ORAL RAT LD50 >2000 mg/kg

VAPOURS RAT 4H LC50 1.18 mg/kg

11.1 Information on toxicological effects

(a) acute toxicity; No Available data

(b) irritation; No Available data

(c) corrosivity; No Available data

(d) sensitisation; No Available data

(e) repeated dose toxicity; No Available data

(f) carcinogenicity; No Available data

(g) mutagenicity; No Available data

(h) toxicity for reproduction, No Available data

11.2 Other data: see section 2.3

12 Ecological information

TETRAMETHRIN

ALGAE 72H IC50 0.94 mg/l

Daphnia magna 48H EC50 0.110 mg/l

FISH 96H LC50 0.0037 mg/l

12.1. Toxicity:

12.2. Persistence and degradability: Not biodegradable.

12.3. Bio accumulative potential: Bioaccumulation potential.

12.4. Mobility in soil: Readily absorbed into 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.

13 Disposal considerations

13.1. Waste treatment methods

14 Transport information

14.1. UN number: UN3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Cypermethrin, Tetramethrin)

14.3. Transport hazard class(es) : 9

14.4. Packing group: iii

14.5. Environmental hazards: yes

14.6. Special precautions for user:

Tunnel code: E

Transport category: 3

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

15 Regulatory information

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

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.

15.2. Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier. Advice on product handling can be found in sections 7 and 8.

16 Other information

This 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.

Classification of ingredients

EUH210: Safety data sheet available on request.

H302: Harmful if swallowed.

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.