

Vazor Insect Killer Foggers



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 Insect Killer Foggers

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

Relevant identified uses: Professional and consumer use insecticide

Uses advised against: Any off-label use may be considered illegal.

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.

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

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

SECTION 2: Hazards identification

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

Skin Sensitisation, Category 1

H317: May cause an allergic skin reaction.

Aquatic Acute, Category 1

H400: Very toxic to aquatic life.

Aquatic Chronic, Category 1

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

2.2. Label elements



GHS07



GHS09

Signal Word: **Warning**

Contains: permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Hazard Statements:

H317 – May cause an allergic skin reaction.

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 carefully and follow all instructions.

P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

P220 - Keep away from clothing and other combustible materials.

P261 - Avoid breathing dust, fume.

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

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves.

P301+P312 - IF SWALLOWED: Call a POISON CENTER, doctor if you feel unwell.

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

Date of issue: August 2023

Vazor Insect Killer Foggers



Safety Data Sheet

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

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO₂), dry extinguishing powder to extinguish.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with national regulations.

Extra Phrases:

- Use of protective gloves is required for Professional users only.
- The most relevant P Phrase statements based on Pack Size and End User are on product labels. Additional P Phrase statements are included on the SDS for information only.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Concentration	Classification
TALC CAS-No: 14807-96-6 EC-No: 238-877-9	$\geq 10 - < 50$	Not classified
Permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Active substance (Biocide)) CAS-No: 52645-53-1 EC-No: 258-067-9 EC Index-No:613-058-00-2	$\geq 10 - < 30$	Acute Tox. 4 (Oral), H302 (ATE=664 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)
Potassium Chlorate CAS-No: 3811-04-9 EC-No: 223-289-7 EC Index No: 017-004-00-3	$\geq 10 - < 30$	Ox. Sol. 1, H271 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411 EUH031

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: Call a poison centre or a doctor if you feel unwell.

Eye contact: Rinse eyes with water as a precaution.

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

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

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

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

Symptoms/effects after skin contact: May cause an allergic skin reaction.

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

Treat symptomatically.

Vazor Insect Killer Foggers



Safety Data Sheet

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Water spray. Dry powder. Foam

5.2. Special hazards arising from the substance or mixture

In case of fire toxic fumes may be released.

5.3. Advice for firefighters

Do not attempt to take action without suitable protective equipment, self-contained breathing apparatus and complete protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Emergency Procedures:

- Ventilate spillage areas.
- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective Equipment:

- Do not attempt to take action without suitable protective equipment.
- For further information refer to section 8

6.2. Environmental precautions

Avoid release into the environment.

6.3. Methods and material for containment and cleaning up

- In case of unsealed container or spillage secure source of contamination and move product to empty container.
- Spillages should be mechanically recovered, collected to a closed container, labelled and safely disposed.
- Cleaning up should be conducted under appropriate ventilation.
- Dispose of materials or solid residues at an authorised site.

6.4. Reference to other sections

See section 13 for Disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Ensure good ventilation of the workstation.
- Read label before using product and use only as directed.
- Avoid direct contact with mouth, skin, and eyes.
- Do not eat, drink, or smoke while in use.
- Wash hands, face, and any exposed skin after use and before eating or drinking.
- Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
- Wear eye/ face/hand protection.

7.2. Conditions for safe storage, including any incompatibilities.

- Store in original container, tightly closed in a cool, dry place.
- Store away from children, food, beverage, and animal feed.
- Store in a well-ventilated location.

7.3. Specific end use(s)

See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TALC(14807-96-6): WEL TWA (OEL TWA) - 1mg/m³ respirable dust

Date of issue: August 2023

Vazor Insect Killer Foggers



Safety Data Sheet

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

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	Not needed under normal use and adequate ventilation.	Not needed under normal use and adequate ventilation.
Gloves	Protective Gloves to EN 374 Nitrile or PVC. Glove thickness 0.4mm, Break through time 30mins.	Protective Gloves to EN 374 Nitrile or PVC. Glove thickness 0.4mm, Break through time 30mins.
Overall	Chemical-resistant clothing and boots in case direct dermal exposure and/or splashes occur.	Chemical-resistant clothing and boots in case direct dermal exposure and/or splashes occur.
Goggles / Face shield	Safety glasses to EN 166	Safety glasses 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Solid fine white powder
Odour:	Characteristic
Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point/boiling range:	No data available
Flash point:	Not applicable.
Evaporation rate:	No data available.
Flammability:	Not flammable
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	No data available
Vapor density:	No data available.
Relative density:	No data available
Solubility(ies):	Water: Immiscible.
Partition coefficient n-octanol/water (log Kow):	No data available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
Viscosity:	Not applicable.
Explosive properties:	No data available.
Oxidising properties:	No data available.

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

Chemically stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Vazor Insect Killer Foggers



Safety Data Sheet

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

10.4. Conditions to avoid

None under recommended storage and handling conditions (see Section 7)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

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:** Not classified
- b) **irritation/corrosion:** Not classified
- d) **sensitisation:** May cause allergic skin reaction.
- e) **repeated dose toxicity:** Not classified
- f) **carcinogenicity:** Based on data available classification criteria are not met.
- g) **mutagenicity:** Not classified
- h) **toxicity for reproduction:** Not classified
- i) **aspiration:** No information.
- i) **STOT – single exposure:** Not classified
- j) **STOT – repeated exposure:** Not classified

11.2. Other Data

See Section 2.3

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment acute and chronic: Very toxic to aquatic life with long lasting effects.
Not rapidly degradable.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No additional information available.

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.

The product should not be allowed to enter drains, water courses or soil.

Suggested waste code 20 01 19.

HP2 - "Oxidising:" waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials.

Date of issue: August 2023

Vazor Insect Killer Foggers



Safety Data Sheet

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

HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.

HP12 - "Release of an acute toxic gas:" waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid

HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

14.1. UN number

UN 3077

14.2. UN proper shipping name

ADR & IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)

IATA: Environmentally hazardous substance, solid, n.o.s. (permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)

Transport document description:

ADR: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate), 9, III, (-)

IMDG: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate), 9, III, MARINE POLLUTANT

IATA: UN 3077 Environmentally hazardous substance, solid, n.o.s. (permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate), 9, III

14.3. Transport hazard class(es).

Hazard Class 9



14.4. Packing group

III

14.5. Environmental hazards

- Dangerous for the environment
- Marine pollutant

14.6. Special precautions for user

Overland transport	Transport by sea	Air transport
Classification code (ADR): M7	Special provisions (IMDG): 274, 335, 966, 967, 969	PCA Excepted quantities (IATA): E1
Special provisions (ADR): 274, 335, 375, 601	Limited quantities (IMDG): 5kg	PCA Limited quantities (IATA): Y956
Limited quantities (ADR): 5kg	Excepted quantities (IMDG): E1	PCA limited quantity max net quantity (IATA): 30kgG
Excepted quantities (ADR): E1	Packing instructions (IMDG): LP02, P002	PCA packing instructions (IATA): 956
Packing instructions (ADR): P002, IBC08, LP02, R001	Special packing provisions (IMDG): PP12	PCA max net quantity (IATA): 400kg
Special packing provisions (ADR): PP12, B3		CAO packing instructions (IATA): 956

Date of issue: August 2023

Vazor Insect Killer Foggers



Safety Data Sheet

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

<p>Mixed packing provisions (ADR): MP10</p> <p>Portable tank and bulk container instructions (ADR): T1, BK1, BK2, BK3</p> <p>Portable tank and bulk container special provisions (ADR): TP33</p> <p>Tank code (ADR): SGAV, LGBV</p> <p>Vehicle for tank carriage: AT</p> <p>Transport category (ADR): 3</p> <p>Special provisions for carriage - Packages (ADR): V13</p> <p>Special provisions for carriage - Bulk (ADR): VC1, VC2</p> <p>Special provisions for carriage – Loading, unloading and handling (ADR): CV13</p> <p>Hazard identification number (Kemler No.): 90</p> <p>Orange plates:</p> <div data-bbox="161 999 461 1223" style="border: 2px solid black; padding: 5px; text-align: center;"><p style="font-size: 24pt; margin: 0;">90</p><hr style="border: 1px solid black;"/><p style="font-size: 24pt; margin: 0;">3077</p></div> <p>Tunnel restriction code (ADR): N/A</p> <p>EAC code: 2Z</p> <p>APP code: N/A</p>	<p>IBC packing instructions (IMDG): IBC08</p> <p>IBC special provisions (IMDG): B3</p> <p>Tank instructions (IMDG): BK1, BK2, BK3, T1</p> <p>Tank special provisions (IMDG): TP33</p> <p>EmS-No. (Fire): F-A</p> <p>EmS-No. (Spillage): S-F</p> <p>Stowage category (IMDG): A</p> <p>Stowage and handling (IMDG): SW23</p>	<p>CAO max net quantity (IATA): 400kg</p> <p>Special provisions (IATA): A97, A158, A179, A197, A215</p> <p>ERG code (IATA): 9L</p>
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Not applicable

SECTION 15: Regulatory information

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

This SDS is provided in compliance with Regulation (EC) No 1272/2008, 1907/2006, 2015/830 and 2020/878

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).

- Contains no REACH substances with Annex XVII restrictions.
- Contains no substance on the REACH candidate list.
- Contains no REACH Annex XIV substance.
- Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Permethrin (52645-53-1), potassium chlorate (3811-04-9)
- Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
- Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Date of issue: August 2023

Vazor Insect Killer Foggers



Safety Data Sheet

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

- Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Contains: permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (14.25 % (percentage))

- Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) **ANNEX I RESTRICTED EXPLOSIVES PRECURSORS**

- Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	Limit Value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively.	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code.
Potassium Chlorate (3811-04-9)	40 % W/W	No licensing permitted	ex 2829 19 00	ex 3824 99 96

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 Tox. 4 (Inhalation)

Acute Tox. 4 (Oral)

Aquatic Acute 1

Aquatic Chronic 1

Aquatic Chronic 2

EUH031:

Ox. Sol. 1

Skin Sens. 1

H332: Harmful if inhaled

H302: Harmful if swallowed.

H400: Very toxic to aquatic life

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

H411: Toxic to aquatic life with long lasting effects

Contact with acids liberates toxic gas.

H271: May cause fire or explosion; strong oxidiser.

H317: May cause an allergic skin reaction.

Issue number (date)	Section amended
Issue.1 (August 2023)	First Issue

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.