

Vazor Wasp Nest Destroyer



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 Wasp Nest Destroyer HSE 9817

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

Relevant identified uses:

Professional treatment for wasps in the nest.

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]

Aerosol cat. 1

H222: Extremely flammable aerosol

H229: Pressurised container: May burst if heated.

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



GHS02

GHS09

Signal Word: **Warning**

Hazard statements:

H222: Extremely flammable aerosol.

H229: Pressured container: May burst if heated.

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

Precautionary statements:

P101: If medical advice is needed, have product container or label in hand.

P201: Keep out of reach of children.

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

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

EUH208: Contains PERMETHRIN. May produce an allergic reaction.

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
Hydrocarbon Propellant CAS Number: 68476-85-7 EC Number: 270-704-2	5-10%	Flammable Gas Cat.1 Pressurised gas (Liquid)	H220 H280
Hydrocarbons, C10, aromatics, <1% Naphthalene EC Number 918-811-1	1-5%	STOT SE 3 Asp. Tox. 1 Aquatic Chronic 2	H336 H304 H411
Hydrocarbons, C11-14, n-Alkanes, Isoalkanes, Cyclics <2% Aromatics EC Number: 926-141-6	<1%	Asp. Tox. 1	H304
Permethrin CAS Number: 52645-53-1 EC number: 258-067-9	<1%	Acute Tox. 4 (Oral, Inhalation) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic1	H302, H332 H317 H400 H410
Tetramethrin CAS Number: 7696-12-0 EC Number: 231-711-6	<1%	Aquatic Acute 1 Aquatic Chronic 1	H400 H410

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:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye 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. 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

Inhalation: Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion: Gastrointestinal symptoms, including upset stomach.
Skin contact: Prolonged contact may cause dryness of the skin. The product contains a sensitising substance.
Eye contact: May cause discomfort.

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

Advice to doctor: Contains perfumes emulsified in water. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Use dry powder or carbon dioxide extinguishing agents.

Unsuitable agents: water jet

5.2. Special hazards arising from the substance or mixture

This product is non-flammable. May produce toxic fumes if involved in a fire.

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

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Avoid contact with contaminated tools and objects. Take care as floors and other surfaces may become slippery. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

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.

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 treated by appropriate sorbent (sand, sawdust, diatomaceous earth, vermiculite, universal absorbent), collected to closed container, labelled and safely disposed. Area of spillage should be cleaned with water. Cleaning up should be conducted under appropriate ventilation.

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

To avoid risks to human health and the environment, comply with the instructions for use. Use biocides safely. Always read the label and product information before use. Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Provide adequate ventilation. Keep container in a well-ventilated place. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/spray. Use only outdoors or in a well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Keep out of the reach of children. Do not pierce or burn, even after use. Do not empty into drains. Do not eat, drink or smoke when using this product. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.

Wash promptly if skin becomes contaminated. Take off contaminated occupational hygiene. clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store at temperatures between 4°C and 40°C. Do not expose to temperatures exceeding 50°C/122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of the reach of children.

Storage class: Flammable compressed gas storage.

7.3. Specific end use(s)

See section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupation exposure limits.

Component	Long-term exposure limit (8Hour TWA)	Short-term exposure limit (8Hour TWA)
Hydrocarbon Propellent	WEL 1000 ppm 1750mg/m ³	WEL 1250 ppm 2180 mg/m ³
Hydrocarbons, C10, aromatics, <1% naphthalene	WEL 70 ppm 500mg/m ³	WEL 10ppm 53mg/m ³
HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS	WEL 1000mg/m ³	--
TETRAMETHRIN	WEL 10mg/m ³ Dust only	--

DNEL – Hydrocarbons, C10. Aromatics, <1% naphthalene	
Industry - Dermal; Long term local effects	12.5 mg/kg/day
Industry - Inhalation; Long term local effects	151 mg/m ³
Consumer - Dermal; Long term local effects	7.5 mg/kg/day
Consumer - Inhalation; Long term local effects	32 mg/m ³
Consumer - Oral; Long term local effects	7.5 mg/kg/day

DNEL – PERMETHRIN (CAS: 52645-53-1)	
Oral	16.7 – 120 mg/m ³

PNEC PERMETHRIN (CAS: 52645-53-1)	
Fresh water	0.00000047 mg/l
STP	0.00495 mg/l
Soil	>0.0876 mg/kg
Sediment (freshwater)	0.01 mg/kg

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.	Protective Gloves to EN 374 Nitrile or PVC.
Overall	Basic type e.g. Heavy duty polycotton or coverall type 5/6.	Basic type e.g. Heavy duty polycotton or coverall type 5/6.
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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

9.2 Other Information

No further relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Not expected to be reactive under recommended conditions of storage and handling.

10.2. Chemical stability

Stable at normal ambient temperatures and when use as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon Dioxide (CO₂). Nitrous gases (NO_x).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Hydrocarbon propellant	
LC50 inhalation rat (mg/l)	21.6 mg/l
ATE (vapours)	21.6 mg/l

Hydrocarbons, C10, aromatics, <1% Naphthalene	
LD50 oral rat (mg/kg)	5 001 mg/kg
LC50 inhalation rat (mg/l)	4 688 mg/l
ATE inhalation (dust, inhalation, vapours mg/l)	4 688 mg/l

Tetramethrin (CAS 7696-12-0)	
LD50 oral rat (mg/kg)	2 000 mg/kg

Permethrin (CAS 52645-53-1)	
LD50 oral (rat)	554 mg/kg
LD50 dermal (rat)	2 000.1 mg/kg
LC ₅₀ inhalation; rat (dust/mist)	4.638 mg/l
ATE oral	554 mg/kg
ATE dermal	2 000.1 mg/kg
ATE inhalation (dusts/mists)	4.638 mg/l

Classification of the product was conducted by calculation method according to regulation 1272/2008, based on the content of hazardous ingredients:

- a) **acute toxicity:** Based on data available classification criteria are not met.
- b) **irritation:** Based on data available, product is classified as causing serious eye/skin irritation.
- c) **corrosivity:** Based on data available classification criteria are not met.
- d) **sensitisation:** Based on data available, product is classified as causing skin sensitisation. Sensitising components present at less than 0.1%W/W
- 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

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SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C10, aromatics, <1% Naphthalene	
LL50, 96 hours; Oncorhynchus mykiss (Rainbow trout)	2-5 mg/l
Hydrocarbons, C11-14, n-Alkanes, Isoalkanes, Cyclics <2% aromatics	
LC50, 96 hours; Oncorhynchus mykiss (Rainbow trout)	>1 000 mg/l
EC50, 48 hours; Daphnia magna	>1 000 mg/l
EC50, 48 hours; Daphnia magna	>250 ppm
IC50, 72 hours; Algae	20 ppm
Permethrin (CAS 52645-53-1)	
LC50, 96 hours; Poecilia reticulata (Guppy)	0.0089 mg/l
LC50, 96 hours; Cyprinus carpio (Common carp)	0.145 mg/l
EC50, 48 hours; Daphnia magna	0.02 mg/l
Acute aquatic toxicity	LE(C) ₅₀ 0.001 < L(E)C50 ≤ 0.01
Chronic aquatic toxicity	NOEC 0.00001 < NOEC ≤ 0.0001
Degradability	Non-rapidly degradable
M Factor	Acute = 100, Chronic = 1 000
Tetramethrin (CAS 7696-12-0)	
LC50, 96 hours; Brachydanio rerio (Zebra Fish)	0.033 mg/l
EC50, 48 hours; Daphnia magna	0.47 mg/l
IC50, 72 hours; Scenedesmus subspicatus	1.36 mg/l
Acute aquatic toxicity	LE(C) ₅₀ 0.1 < L(E)C50 ≤ 1
Chronic aquatic toxicity	NOEC 0.001 < NOEC ≤ 0.01
Degradability	Non-rapidly degradable
M Factor	Acute = 1, Chronic = 10

12.2. Persistence and degradability

Product is expected to be biodegradable

12.3. Bioaccumulative potential

The does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

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 16 05 04.

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SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es).

ADR

Transport hazard class(es) (ADR): 2.1

Danger labels (ADR) 5F

IMDG

Transport hazard class(es) (IMDG): 2.1

Danger labels (IMDG) -

ICAO

Transport hazard class(es) (ICAO): 2.1

Hazard labels (ICAO): -

RID

Transport hazard class(es) (RID): 2.1

Danger labels (RID): 5F

14.4. Packing group

Not Applicable

14.5. Environmental hazards

Marine Pollutant

14.6. Special precautions for user

Dangerous for the environment: Yes

Marine pollutant: Yes

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

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.

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SECTION 16: Other information

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

Ingredient classification data:

Flammable Gas Cat.1	H220: Flammable liquid and vapour
Aerosol Cat.1	H222: Extremely flammable aerosol H229: Pressurised container: may burst if heated H318 - Causes serious eye damage.
Pressurised Gas (Liquid)	H280: Contains gas under pressure; may explode if heated.
Acute Toxicity Cat.4 (Oral)	H302: Harmful if swallowed H332: Harmful if inhaled.
Aspiration Toxicity Cat.1	H304: May be fatal if swallowed and enters airways.
Aquatic Acute cat 1	H400: Very toxic to aquatic life.
Aquatic Toxicity chronic Cat.1	H410: Very toxic to aquatic life with long lasting effects
Aquatic Toxicity chronic Cat.2	H411: Toxic to aquatic life with long lasting effects.

Issue number (date)	Section amended
Issue (Oct 2018)	First creation.
Issue (Sept 2020)	Update to style and layout – some updates to minor wording.

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.