

Vazor Provecta Safety Data Sheet

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

Control of Substances Hazardous to Health Regulations 2002 (as amended). – The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Vazor Provecta

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

Relevant identified uses: Insecticide with a physical mode of action formulation.

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 08701906777

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.

Eye Irritant Cat.2

H319 Causes serious eye irritation.

Aquatic Chronic Cat.2

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements



GHS:07

GHS:09

Signal Word: WARNING

Hazard statements:

H332: Harmful if inhaled.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101: If medical advice is needed, have product container to hand

P102: Keep out of reach of children.

P261: Avoid breathing vapours/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves and eye protection

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

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

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Concentration	Classification	H Phrases
Polyalkyleneoxide modified	80-100%	Acute tox cat.4	H332
heptamethyltrisiloxane		Eye irrit. Cat.2	H319
Cas:67674-67-3		Aquatic chronic 2	H411

Date of issue: February 2023

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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:** Rinse cautiously with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Do not rub eyes. If irritation persists, seek medical advice.
- Skin contact:** If on skin: wash area with soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs get medical attention
- Ingestion:** If Swallowed: Rinse mouth thoroughly with water, Give plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
- Inhalation:** If Inhaled: Remove person to fresh air and keep comfortable for breathing. Consult a physician if symptoms persist or worsen.

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

Acute symptoms:

Inhalation: Respiratory irritation.

Skin contamination: Contact with skin may cause irritation (redness, itching).

Eye Contact: Contact with eyes can cause irritation (redness, lacrimation).

Ingestion: Can cause nausea and abdominal pain

Delayed symptoms – No available data

Effects of exposure: No available data

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

Treat symptomatically. No specific antidote is known. The decision on how to proceed is made by a doctor after a thorough assessment of the injured person's condition.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water mist, Carbon dioxide; Dry chemical extinguisher; Foam

Unsuitable extinguishing media:

High pressure water jet.

5.2. Special hazards arising from the substance or mixture

During the fire of the product following compounds might be emitted – carbon oxides, silica oxides, formaldehyde, other hazardous gases. Avoid breathing of combustion products, they might be hazardous to health.

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. In the event of a fire cool the vessels and storage tanks. Do not allow extinguishing media to enter sewers, ground water or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Avoid contact with skin, eyes, and clothing. Do not inhale vapours ventilate closed areas. 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.

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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. Clean contaminated surfaces. Material recovery and cleaning work should be carried out with adequate Ventilation or appropriate respiratory protection.

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

Use only as intended. Read label before using the product. Use appropriate PPE. Avoid contact with mouth, skin and eyes. Ensure adequate ventilation.

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

No specific requirements.

Industrial Hygiene

- Ensure good ventilation (overall and local exhausted ventilation)
- Ensure place for eyes and skin rinsing
- Wash hands with soap and water before eating, smoking and after work
- Use general caution while working with chemical substances

7.2. Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed in a cool, dry place. It is recommended to store absorbent material nearby (section 6.3) Keep the product away from children, food, beverage, and animal feed. Store and transport at temperatures between 0 and 35°C.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

There are no ingredients with an occupational exposure limit.

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	None needed in well ventilated areas, otherwise wear Mask with a P2 filter.	None needed in well ventilated areas, otherwise wear Mask with a P2 filter.
Gloves	Protective Gloves to EN 374 Nitrile or PVC.	Protective Gloves to EN 374 Nitrile or PVC.
Overall	coverall type 3/4	coverall type 3/4
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

Physical state;	Transparent Liquid
Appearance:	Clear colourless liquid.
Odour:	Faint characteristic.
Odour threshold:	No data
pH:	5.87 (1% emulsion)
Melting point/freezing point:	No available data.
Initial boiling point/boiling range:	No available data.
Flash point:	>100°C.
Evaporation rate:	No available data.
Flammability:	Not applicable.
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	No available data.
Vapor density:	No available data.
Relative density:	1.01-1.02 @20°C
Solubility(ies):	Insoluble, emulsifies at 0.1 to 1.0%
Partition coefficient n-octanol/water (log Kow):	Not applicable.
Auto-ignition temperature:	No available data.
Decomposition temperature:	No available data.
Viscosity:	No available data.
Explosive properties:	None, no ingredients with explosive properties.
Oxidising properties:	None, no ingredients with oxidizing properties.
Kinematic viscosity	Not applicable

9.2 Other Information

No additional data.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under recommended conditions of storage and handling.

10.2. Chemical stability

Product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No data.

10.4. Conditions to avoid

High temperature, direct sunlight, humidity.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under recommended conditions of storage and handling product does not decompose with evolution of hazardous decomposition products. Hazardous decomposition products may be developed under thermal decomposition (fire)

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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: Based on data from the components, product is harmful if inhaled.

Acute Oral Toxicity: product does not meet criteria for classification.

Acute Dermal Toxicity: product does not meet criteria for classification.

Acute Inhalation Toxicity: product does meet criteria for classification, ATEmix = 12,2MG/l (vapours)

Polyalkyleneoxide modified heptamethyltrisiloxane – Cas:67674-67-3

Acute toxicity, oral (rat) LD₅₀: >2000 mg/kg

Acute toxicity, skin (rat) LD₅₀: >4000 mg/kg

Acute toxicity, inhalation (rat): LC₅₀ = 2 mg/l/4h (aerosol)

b) irritation: Based on available data, the product is classified as causing serious eye irritation.

c) corrosivity: Based on data available classification criteria are not met.

d) sensitisation: Based on data available classification criteria are not met.

e) repeated dose toxicity: Based on data available classification criteria are not met.

f) carcinogenicity: Product does not contain any compounds with germ cell carcinogenicity hazard.

g) mutagenicity: Product does not contain any compounds with germ cell mutagenicity hazard.

h) toxicity for reproduction: Product does not contain any compounds with reprotoxic hazard.

i) STOT single exposure: Product may cause respiratory irritation.

j) STOT repeated exposure: Based on data available classification criteria are not met.

k) aspiration hazard: based on data available classification criteria not met.

11.2. Other Data

See section 2.3

SECTION 12: Ecological information

12.1. Toxicity

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

Polyalkyleneoxide modified heptamethyltrisiloxane – Cas:67674-67-3

Acute toxicity to fish (Danio rerio): LC₅₀ (96 h): 6.8 mg/L

Acute toxicity to freshwater invertebrates (Daphnia magna): EC₅₀ (48 h): 25 mg/L

Acute toxicity to algae (Pseudokirchneriella subcapitata): EC₅₀ (96h): 32 mg/L

Classified as toxic to aquatic life with long lasting effects, category 2.

12.2. Persistence and degradability

Product has not been tested for biodegradation, but it is not expected to be readily biodegradable based on test results from a chemically similar product. However, this product is subject to rapid hydrolysis under acidic or basic conditions.

12.3. Bioaccumulative potential

No available data.

12.4. Mobility in soil

No available data.

12.5. Results of PBT and vPvB assessment

Product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties.

12.7

With correct handling of the mixture, no negative effects should be expected.

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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.

Suggested waste code 20 01 19

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. (Polyalkyleneoxide modified heptamethyltrisiloxane)

14.3. Transport hazard class(es).

9

14.4. Packing group

III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS.

14.6. Special precautions for user

Road transport (ADR)	<ul style="list-style-type: none">• Classification code: M6• Labels: 9• Hazard identification No: 90• Packing instructions: P001, IBC03, LP01, R001• Transport category (tunnel restriction code): 3 (E) <p>Special provision 375: These substances when carried in single or combination packaging containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging 5 kg or less for solids, are not subject to any other provisions of ADR provided the packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8</p>
Air transport (IATA DGR)	<ul style="list-style-type: none">• Class or Div.: 9• Hazard Label: Miscellaneous• Passenger and Cargo Aircraft PI: 964• Cargo Aircraft Only PI: 964 <p>Special provision A197: These substances when carried in single or combination packaging containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packaging meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8</p>
Sea transport (IMDG):	<ul style="list-style-type: none">• EmS codes: F-A, S-F• Marine pollutant: yes• Provision 2.10.2.7 of IMDG CODE: <p>“Marine pollutants packaged in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</p> <p>In the case of marine pollutants also meeting criteria for inclusion in another hazard class, all provision of this Code relevant to any additional continue to apply”</p>

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Not relevant

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SECTION 15: Regulatory information

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

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The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

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.

Hazard safety information full text:

Acute Toxicity Cat.4

H332 Harmful if inhaled.

Eye Irritant Cat.2

H319 Causes serious eye irritation.

Aquatic Chronic Cat.2

H411 Toxic to aquatic life with long lasting effects.

Issue number (date)	Section amended
Issued (OCT 2018)	First creation.
Issued (Jul 2021)	Updated sections 14 and 15
Issued Sept 2021	Update to wording in section 8
Issued (Jan 2022)	Added emergency number.
Issued (Feb 2023)	Update to sections 2, 4, 5, 7, 8, 8, 10, 11, 12

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.