

Vazor DE

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 DE Spray

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

Relevant identified uses: Physical action Insecticide, in aerosol applicator.

Uses advised against: To be used only as an insecticide as per label instructions.

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.
Eye Irritant cat. 2	H319: Causes serious eye Irritation
STOT SE Cat.3 (Inhalation)	H336: May cause drowsiness or dizziness

2.2. Label elements



GHS07

GHS09

Signal Word: Danger

Hazard statements:

- H222:** Extremely flammable aerosol.
- H229:** Pressurised container: may burst if heated.
- H319:** Causes serious eye Irritation
- H336:** May cause drowsiness or dizziness

Precautionary statements:

- P101:** If medical advice is needed, have product available or label at hand.
- P102:** 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 initiation sources
- P215:** Do not pierce or burn, even after use.
- P261:** Avoid breathing vapours or spray.
- P271:** Use only outdoors or in a well-ventilated area.
- P280:** Wear eye protection.
- P312:** call a POISON CENTER/ doctor if you feel unwell.
- P405:** Store locked up.
- P410+P412:** Protect from sunlight. Do not expose to temperatures exceeding 50°C
- P501:** Dispose of contents/container safely.
- Propan-2-ol:** Without adequate ventilation, formation of explosive mixtures may be possible.

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
Propan-2-ol Cas: 67-63-0	25-50% W/W	Flammable Liquid Cat.2 Eye Irritant Cat.2 STOT SE Cat.3	H225 H319 H336

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: Wash area with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: get medical attention

Ingestion: If Swallowed: Rinse mouth, Give ample water to drink. Do NOT induce vomiting.

Inhalation: If Inhaled: Remove person to fresh air, seek medical attention. If person is unconscious, place in recovery position and seek medical attention.

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

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

The following may occur:

Coughing / reddened eyes / watering eyes / drowsiness / Narcotic effect. / unconsciousness.

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

Advice to doctor: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable agents: water jet

5.2. Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon, toxic gases, danger of bursting (explosion) when heated, Explosive vapor/air or gas/air mixtures.

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

Remove possible causes of ignition – do not smoke.
Ensure sufficient supply of air.
Avoid inhalation and contact with eyes or skin.

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

If spray or gas escapes, ensure ample ventilation.
Soak up active substance with absorbent material and dispose of according to section 13.

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

Ensure good ventilation.
Avoid inhalation of the vapours.
Keep away from sources of ignition – Do not smoke.
Take measures against electrostatic charging, if appropriate.
Do not use on hot surfaces.
Avoid contact with eyes or skin.
Eating, drinking, smoking as well as food storage, is prohibited in work room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.
Wash hands before breaks and at the end of work.
Keep away from food, drink and animal feeding stuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2. Conditions for safe storage, including any incompatibilities

Keep away and out of reach of children.
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Do not store with flammable or self-igniting materials.
Observe special storage conditions.
Observe special regulations for aerosols.
Keep protected from direct sunlight and temperatures over 50°C.
Store in a cool well-ventilated place.

7.3. Specific end use(s)

See section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substances	CAS number	Workplace exposure limit				Comments
		Long-term exposure limit (8-hr TWA reference periods)		Short-term exposure limit (15-minute reference period)		
		ppm	mg.m ⁻³	ppm	mg.m ⁻³	
Propan-2-ol	67-63-0	400	999	500	1250	The Carc, Sen and Sk notations are not exhaustive
Butane	106-97-8	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL values, Suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here

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		
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:	Fine white powder.
Odour:	Alcoholic.
Odour threshold:	No available data.
pH:	No available data.
Melting point/freezing point:	No available data.
Initial boiling point/boiling range:	-44°C (The boiling point of the mixture was not tested but complies with the ingredient with the lowest value.)
Flash point:	-97°C (The boiling point of the mixture was not tested but complies with the ingredient with the lowest value.)
Evaporation rate:	Not applicable.
Flammability:	N.A.
Upper/lower flammability or explosive limits:	1.5 – 12 Vol-%.
Vapor pressure:	2.5 – 5.5 bar (20°C).
Vapor density:	No available data.
Relative density:	~0.684 g/cm ³ (20°C, N.A.)
Solubility(ies):	Partially water soluble.
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	365°C (ignition temperature.)
Decomposition temperature:	No available data.
Viscosity:	Not applicable.
Explosive properties:	When using development of explosive vapour/air mixture possible.
Oxidising properties:	No available data.

9.2 Other Information

No further relevant information

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SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under recommended conditions of storage and handling.

10.2. Chemical stability

Stable under recommended conditions of storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Heating, open flames, ignition sources. Pressure increase will result in the danger of bursting.

10.5. Incompatible materials

Contact with strong acids, alkalis, or oxidising agents.

10.6. Hazardous decomposition products

None Known.

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 available classification criteria are not met.
- b) irritation:** Based on data available, 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:** 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

SECTION 12: Ecological information

12.1. Toxicity

Product not tested.

12.2. Persistence and degradability

Preparation is biodegradable.

12.3. Bioaccumulative potential

Proapan-2-ol: Low bioaccumulative potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

None known.

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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.

Dispose of empty aerosols as hazardous waste.

Suggested waste code 16 05 04.

SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

Transport by:

Road/Rail (ADR/RID): UN 1950 AEROSOLS

Sea (IMDG-code): AEROSOLS

Air (IATA): Aerosols, flammable.



14.3. Transport hazard class(es).

2.1

14.4. Packing group

-

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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 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.

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

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:

Aerosol Cat. 1

H222: extremely flammable aerosol.

H229: Pressurised container: may burst if heated.

Flammable Liquid Cat.2

H225: Flammable liquid and vapour.

Eye Irritant cat. 2

H319: Causes serious eye Irritation.

Single Target Organ Toxicity – Single Exposure Cat.3 (Inhalation) H336: May cause drowsiness or dizziness.

Issue number (date)	Section amended
Issue (Nov 2015)	.
Issue (Sept 2020)	Updated Precautionary statement.

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.