

1 Identification of the preparation and the supplying Company

1.1 Vazor Liquid Mosquito film

1.2 A liquid ready-to-use silicone-based treatment that works by physical means, for control of mosquito larvae and pupae

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**

The preparation is not classified as hazardous under the provisions of the EEC/67/548 and EC/1999/45 directives and/or of the EC Regulation 1272/2008 (CLP) and of the modifications and amendments thereto.

2.2. Label elements

DANGER SYMBOLS: None

H STATEMENTS: None

Precautionary statements (P):

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

P102 Keep out of reach of children.

2.3. Other hazard**3 Composition and information on ingredients****3.2. Mixtures****Hazardous Components in Product**

Ingredient Name	Classification	Concentration	R Phrases	H Phrases
WHITE MINERAL OIL CAS 8042-47-5 EC 232-455-8	Asp. Tox. 1	7-8%	n/a	H304
POLYDIMETHYLSILOXANE (PDMS silicone) CAS 63148-62-9	n/a	86-90 %	n/a	n/a

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): Seek medical advice immediately and show the physician this safety data sheet. Do not induce vomiting to avoid the risk of aspiration into the respiratory tract.

Inhalation: Take outdoors and let rest. In case the person continues to feel unwell, seek medical advice.

Skin contact: Remove contaminated clothing. Wash with plenty of soap and running water the body parts that have been in contact with the preparation.

Eye contact: Remove contact lenses, if applicable. Wash for at least 10 min with plenty of running water keeping the eyelids open. Afterwards protect the eyes with a dry sterile gauze or with a dry and clean handkerchief. SEEK MEDICAL ADVICE. Do not use eyewash or ointments of any kind before an examination or unless upon advice from an ophthalmologist.

4.2. Most important symptoms and effects, both acute and delayed: For symptoms and effects caused by the contained substances refer to section 11

4.3. Indication of any immediate medical attention and special treatment needed: Symptomatic treatment and monitoring of vital functions

5 Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Dry powder, CO₂, water spray jet, foam.

Unsuitable extinguishing media: Water jet. Water is not suitable to extinguish a fire; however it can be used to cool down the containers exposed to the flames preventing bursts and explosions.

5.2. Special hazards arising from the substance or mixture: Special risks in fire situation: In case of fire the mixture may produce toxic gases and irritating vapours. Excess pressure may be created in the containers if exposed to the flames leading to an explosion risk.

5.3. Advice for fire-fighters

Protective equipment: Use breathing apparatus (especially in closed spaces) and complete protection suits.

Special procedures: Control propagation. Stay upwind. Do not breathe in smoke. Use water fog to cool down the containers exposed to the fire. Prevent the fire-extinguishing water from contaminating the environment.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Use suitable individual protection means (see section 8) Do not smoke or use flames.

6.2. Environmental precautions: Store the product far from drains, rivers or seawater in order to prevent environmental pollution. If necessary, report to the responsible authority.

6.3. Methods and material for containment and cleaning up: In case the product spreads over the ground, collect it with broom and dustpan without raising dust. Put the collected material into containers for disposal (see section 13).

6.4. Reference to other sections: Information regarding individual protection and disposal is contained in sections 8 and 13.

7 Handling and storage

7.1. Precautions for safe handling

Avoid eating, drinking and smoking. Wear suitable protective clothing (see section 8). After handling rinse with soap and water. Allow for a good ventilation of working areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original, closed containers. Keep away from food and beverages and keep out of the reach of children and pets. If possible, store at a temperature between 5°C and 30°C.

7.3. Specific end use(s)

8 Exposure controls and personal protection

8.1. Control parameters

Product/ingredient name Exposure limit value	Product/ingredient name Exposure limit value
White mineral oil	White mineral oil ACGIH TLV (United States). Notes: (Mineral oil) TWA: 5 mg/m ³ , (Inhalable fraction) 8 hour(s).

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		In poorly ventilated rooms where a high concentration of the mixture is likely, adequately protect the respiratory tract (mask with A-filter).
Gloves	Use waterproof gloves resistant to chemical products (ref. standard EN 374).	Use waterproof gloves resistant to chemical products (ref. standard EN 374).
Goggles/ Face shield	Use protective goggles with lateral protection for the case of accidental contact with eyes. Ensure the availability of showers and eyewash to be used in case of emergency.	Use protective goggles with lateral protection for the case of accidental contact with eyes. Ensure the availability of showers and eyewash to be used in case of emergency.

9 Physical and chemical properties

9.1. General information

Appearance: Liquid

Odour: slight

pH: n/a

Flash point: > 101,1 °C not highly flammable

Viscosity: 300 cSt at 40°C

Density: no available data

Flammability: not flammable

Boiling point/boiling range: no available data

Vapour density: no available data

Vapour pressure: no available data

Melting point/freezing point: no available data

Solubility in water: no available data

Solubility in other solvents: no available data

Explosive properties: no available data

Combustibility:

Oxidising properties: no available data

Evaporation rate: no available data

Partition coefficient: no available data

Decomposition temp: no available data

Auto-ignition temp: no available data

10 Stability and reactivity

10.1. Reactivity: There are no particular hazards of reactivity with other substances in normal conditions of

use.

10.2. Chemical stability: Stable in normal conditions of use and of storage.

10.3. Possibility of hazardous reactions: Not foreseen

10.4. Conditions to avoid: Avoid overheating, electrostatic charges and any ignition source

10.5. Incompatible materials: Information not available

10.6. Hazardous decomposition products: Dangerous compounds are formed as a result of thermal decomposition

11 Toxicological information

11.1 Information on toxicological effects

Action of the active substance: Vazor liquid mosquito film has a physical-mechanical action only. The thin silicon layer that is created on the water surface after the application prevents the proper development of the immature stages of mosquitoes (larvae and pupae).

It prevents larvae and pupae from properly gaining access to atmospheric oxygen, which is necessary for their development to the adult stage, causing their consequent suffocation. As a matter of fact, it prevents larvae and pupae from sticking to the water surface to reach the oxygen in the atmosphere, which they need in order to survive.

Besides, the low surface tension also has an impact on egg laying, as adult female mosquitoes do not lay their eggs on treated water surfaces.

Inhalation: Preparation toxicity non-significant. In any case, avoid inhaling the preparation.

Ingestion: Preparation toxicity non-significant.

Contact with skin: Preparation toxicity non-significant. In any case, avoid direct contact with the preparation.

Contact with eyes: Preparation toxicity non-significant. In any case, avoid direct contact with the preparation.

(a) acute toxicity; Toxicological data: White mineral oil: LD50 (Oral): > 5000 mg/kg rat; LD50 (Dermal): > 2000 mg/kg rabbit; LD50 (Inhalation): > 5000 mg/kg rat.

(b) irritation; no data available

(c) corrosivity; no data available

(d) sensitisation; no data available

(e) repeated dose toxicity; no data available

(f) carcinogenicity; no data available

(g) mutagenicity; no data available

(h) toxicity for reproduction; no data available

11.2 Other data: see section 2.3

12 Ecological information

12.1. Toxicity: White mineral oil: NOEC chronic for fish > 100 mg/l (96 hours), NOEC chronic for crustacea > 100 mg/l (48 hours), NOEC chronic for algae or other aquatic plants > 100 mg/l (72 hours).

12.2. Persistence and degradability: no available data

12.3. Bio accumulative potential: no available data

12.4. Mobility in soil: no available data

12.5. Results of PBT and vPvB assessment: no available data

12.6. Other adverse effects: no available data

13 Disposal considerations

13.1. Waste treatment methods

Recover the product, if possible. Comply with the local and national regulations. Containers shall not be disposed of in the environment, even if completely empty. If they contain residues, they must be classified,

stored and sent to a suitable treatment facility. In case of non-professional use, the empty container can be disposed of as domestic waste. Use EWC code 20 01 19 when classifying any redundant stock or contaminated packaging.

14 Transport information

14.1. UN number: n/a

14.2. UN proper shipping name: n/a

14.3. Transport hazard class(es) : n/a

14.4. Packing group: n/a

14.5. Environmental hazards: n/a

14.6. Special precautions for user: n/a

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

15 Regulatory information

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

Seveso category: none

Restrictions relating to the product or contained substances pursuant to Annex XVII to (EC) Regulation 1907/2006: none

Substances in Candidate List (Art. 59 REACH): none

Substances subject to authorization (Annex XIV REACH): none

15.2. Chemical safety assessment: No Chemical Safety Assessment has been carried out for this mixture and for the substances contained in it. 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.

Ingredient classification

Asp. Tox. 1 Toxic in case of aspiration, category 1

H304 May be fatal if swallowed and enters airways.