



VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SDS Reference Number: 000044

Issue date: 30/01/2026 Revision date: 16/03/2026 Supersedes: 20/02/2026

Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : VITAL GUARD INSECT KILLER SPRAY
Type of product : Biocidal products (e.g. Disinfectants, pest control)
Product group : End product
Other means of identification : Protector C Super 0.05 P

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Insecticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MYVITAL KEEP HEALTHY LIMITED

Company No: 17029826

Trade Mark: UK00004063470

United Kingdom

Email: info@myvital.co.uk

Website: www.myvitalguard.co.uk | www.myvitalkeephealthy.com

1.4. Emergency telephone number

Emergency number : +44 (0)1420 80744 (M-F 09:00-17:00 GMT)

Country/Area	Organisation	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH.	0344 892 0111 Only for healthcare professionals
	NHS 111/NHS 24/NHS Direct.	111 0845 4647 or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Hazardous to the aquatic environment – Acute Hazard, Category 1 H400

Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)

:



GHS09

Signal word (GB CLP)

: Warning

Hazard statements (GB CLP)

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

Precautionary statements (GB CLP)

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

P102 - Keep out of reach of children.

P273 - Avoid release to the environment.

P391 - Collect spillage.

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

EUH-statements (GB CLP)

: EUH208 - Contains CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7). May produce an allergic reaction.

2.3. Other hazards

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8), 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1), 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5), PROPYLENE GLYCOL (57-55-6), CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8), 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1), 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5), PROPYLENE GLYCOL (57-55-6), CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether(112-34-5), CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8), CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE(89997-63-7), PROPYLENE GLYCOL(57-55-6), 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether substance with workplace exposure limit(s)	CAS-No.: 112-34-5 EC-No.: 203-961-6 UK Index-No.: 603-096-00-8	< 1	Eye Irrit. 2, H319
CYPERMETHRIN CIS-TRANS +- 40-60	CAS-No.: 52315-07-8 EC-No.: 257-842-9 UK Index-No.: 607-421-00-4	< 1	Acute Tox. 4 (Oral), H302 (ATE=500) Acute Tox. 4 (Inhalation), H332 (ATE=3.3) STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100000) Aquatic Chronic 1, H410 (M=100000)
CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE	CAS-No.: 89997-63-7 EC-No.: 289-699-3	< 1	Acute Tox. 4 (Oral), H302 (ATE=730 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Sens. 1, H317 STOT SE 1, H370 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
PROPYLENE GLYCOL substance with workplace exposure limit(s)	CAS-No.: 57-55-6 EC-No.: 200-338-0	< 1	Not classified
2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine	CAS-No.: 95737-68-1 EC-No.: 429-800-1 UK Index-No.: 613-303-00-3	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist call a doctor. Get medical attention if symptoms are severe or persist after washing. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Get immediate medical advice/attention. Rinse mouth out with water. Do NOT induce vomiting. Give a few small glasses of water or milk to drink. Do not give an unconscious person anything to drink. If unconscious, place in the recovery position and seek medical advice. Place under medical observation.

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

Symptoms/effects	: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Symptoms/effects after inhalation	: Symptoms of overexposure may be narcotic effects. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, Alcohol-resistant foam, Carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Heating may cause a fire or explosion.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Corrosive vapours.

5.3. Advice for firefighters

Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Evacuate area. Cool containers with flooding quantities of water until well after fire is out. Avoid discharge to the environment. Control run-off water by containing and keeping it out of sewers and watercourses. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid breathing fume, mist, spray, vapours. Keep upwind. No flames, no sparks. Eliminate all sources of ignition. See section 8 of the SDS for more information on personal protective equipment.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
----------------------	---

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage. Cover spill with non combustible material, e.g.: sand, earth, vermiculite.
Methods for cleaning up	: Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep only in original container. Avoid breathing fume, mist, spray, vapours. Avoid contact with skin. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Carefully comply with the instructions for use. Comply with the safety instructions. Do not re-use empty containers. Immediate medical attention and special treatment, if necessary.
-------------------------------	---

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
------------------	---

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat. Store locked up. Product must only be kept in the original packaging.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep only in original container. Store locked up. Always keep container in upright position. Keep container tightly closed.
Storage area	: Store away from heat. Store in a well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

(112-34-5)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	67.5 mg/m³
	10 ppm
WEL STEL (OEL STEL)	101.2 mg/m³
	15 ppm
(57-55-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m³ particulates
	474 mg/m³ total vapour and particulates
	150 ppm total vapour and particulates
WEL STEL (OEL STEL)*	30 mg/m³
	450 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
	*STEL value is calculated based on the TWA limit

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Ensure the ventilation system is regularly maintained and tested.

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Industrial and professional. Perform risk assessment prior to use.

8.2.2.2. Skin protection

Skin and body protection:

Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Keep receptacles tightly sealed. Conform to current legislation, regulations and orders.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: Solvent.
Odour threshold	: Not available
pH	: Not available
pH solution concentration	: 100 %
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Not available

9.2. Other information

Particle characteristics	: Not applicable
--------------------------	------------------

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

CYPERMETHRIN CIS-TRANS +/- 40-60 (52315-07-8)

LD50 oral rat	500 mg/kg bw/day
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	3.3 mg/l/4h

2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 1.3 mg/l/4h

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	2764 mg/kg bodyweight

PROPYLENE GLYCOL (57-55-6)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	634 mg/l/4h

CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

LD50 oral rat	730 mg/kg bodyweight
---------------	----------------------

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

CYPERMETHRIN CIS-TRANS +/- 40-60 (52315-07-8)

STOT-single exposure	May cause respiratory irritation.
----------------------	-----------------------------------

CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

STOT-single exposure	Causes damage to organs.
----------------------	--------------------------

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
------------------------	---

CYPERMETHRIN CIS-TRANS +/- 40-60 (52315-07-8)

STOT-repeated exposure	May cause damage to organs (nervous system) through prolonged or repeated exposure.
------------------------	---

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day
----------------------------	--------------------------

CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
------------------------	--

Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
-------------------	---

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

Viscosity, kinematic	6.803 mm ² /s
----------------------	--------------------------

CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

Viscosity, kinematic	7.05 mm ² /s @ 40°C
----------------------	--------------------------------

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

CYPERMETHRIN CIS-TRANS +/- 40-60 (52315-07-8)

LC50 - Fish [1]	2.8 µg/l <i>Onchorhynchus mykiss</i>
EC50 - Crustacea [1]	4.71 µg/l <i>Daphnia Magna</i>
EC50 - Crustacea [2]	0.0053 µg/l <i>Hyalomma ateca</i>
ErC50 algae	> 33 µg/L (96 h, <i>Pseudokirchneriella subcapitata</i>)
NOEC chronic crustacea	0.05 µg/L 21 d, <i>Daphnia Magna</i>

2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)

LC50 - Fish [1]	> 0.27 mg/l <i>Lepomis macrochirus</i> (Bluegill)
-----------------	---

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)	
EC50 - Other aquatic organisms [1]	0.4 mg/l Daphnia magna
EC50 72h - Algae [1]	0.15 mg/l Selenastrum capricornutum
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LC50 - Fish [1]	1300 mg/l Lepomis macrochirus
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna
EC50 96h - Algae [1]	> 100 mg/l Desmodesmus subscapitus
PROPYLENE GLYCOL (57-55-6)	
LC50 - Fish [1]	40613 mg/l
EC50 - Crustacea [1]	340 mg/l Daphnia magna
EC50 96h - Algae [1]	19000 mg/l
CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)	
LC50 - Fish [1]	0.0052 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	0.12 mg/l Daphnia magna

12.2. Persistence and degradability

VITAL GUARD INSECT KILLER SPRAY	
Persistence and degradability	Not rapidly degradable
CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8)	
Persistence and degradability	Not rapidly degradable
2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)	
Persistence and degradability	Not biodegradable.
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
Persistence and degradability	Not rapidly degradable
PROPYLENE GLYCOL (57-55-6)	
Persistence and degradability	Readily biodegradable.
CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8)	
Partition coefficient n-octanol/water (Log Pow)	5.3 – 5.6 (25 °C)
2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)	
Partition coefficient n-octanol/water (Log Pow)	4.86 @pH7
Bioaccumulative potential	Slightly or not bioaccumulative.
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
Partition coefficient n-octanol/water (Log Pow)	0.56

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

PROPYLENE GLYCOL (57-55-6)

Bioaccumulative potential	Low bioaccumulation potential.
---------------------------	--------------------------------

CHRYSANthemum cinerariaefolium EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM cinerariifolium OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)

Partition coefficient n-octanol/water (Log Pow)	> 4
---	-----

12.4. Mobility in soil

PROPYLENE GLYCOL (57-55-6)

Ecology - soil	Soluble in water.
----------------	-------------------

12.5. Results of PBT and vPvB assessment

Component

CYPERMETHRIN CIS-TRANS +- 40-60 (52315-07-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
PROPYLENE GLYCOL (57-55-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
CHRYSANthemum cinerariaefolium EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM cinerariifolium OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

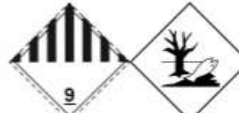
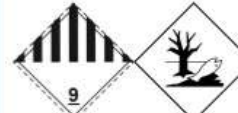
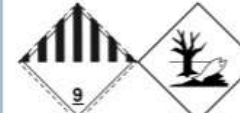
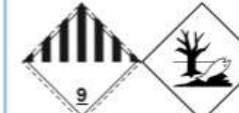
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197	Special provision(s) applied : 375	Special provision(s) applied : 375
These substances when carried in single or combination packagings 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 the transport regulations provided the packagings meet the general provisions.				
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60)	Environmentally hazardous substance, liquid, n.o.s. (CYPERMETHRIN 40/60)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60)
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (CYPERMETHRIN 40/60), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: -
EAC code	: •3Z

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

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

Not applicable

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

UK restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(b)	CYPERMETHRIN CIS-TRANS +- 40-60 ; 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	VITAL GUARD INSECT KILLER SPRAY ; CYPERMETHRIN CIS-TRANS +- 40-60	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

Biocide Regulation (528/2012)

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)

Type of product (Biocide) : 18 - Insecticides, acaricides and products to control other arthropods

Authorisation number :

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes (UK)

Section	Changed item	Comments
2.2	Precautionary statements (GB CLP)	Modified

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Indication of changes (UK)		
Section	Changed item	Comments
Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstracts Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disruptor	

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Full text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT IN PETROLEUM DISTILLATES - FROM OPEN AND MATURE FLOWERS OF TANACETUM CINERARIIFOLIUM OBTAINED WITH SUPERCRITICAL CARBONDIOXIDE (89997-63-7). May produce an allergic reaction.

VITAL GUARD INSECT KILLER SPRAY

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet (SDS), UK

The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.