



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

ZER883 – 90-Day Knockdown Flying Insect Killer

1.2 Relevant uses of the substance or mixture and uses advised against:

Identified uses	Insecticide
Uses advised against	All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Supplier:	STV International Limited Forge House Little Cressingham Thetford Norfolk IP25 6ND
------------------	---

1.4 Emergency phone number: +44 (0) 1953 881 580

2. HAZARDS IDENTIFICATION

Classification (EC 1272/2008)

Physical hazards

Health hazards	Eye Irrit. 2: Eye irritation, Category 2, H319 Skin Irrit. 2: Skin irritation, Category 2, H315
-----------------------	--

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND
Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452
Email: info@stvpestcontrol.com
www.stvpestcontrol.com

Skin Sens. 1: Sensitisation, skin, Category 1, H317

Environmental hazard

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard, Category 1, H410

2.2 Label Elements**GHS07****GHS09****Signal word****Hazard statements**

H410 - Very toxic to aquatic life with long lasting effects
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

Supplemental label information**Precautionary Statements**

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P103: Read label before use
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash the hands thoroughly after handling
P273: Avoid release to the environment
P280: Wear protective gloves/eye protection
P302+P352: IF ON SKIN: Wash with plenty of water
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501: Dispose of contents and / or their container according to the separated collection system used in your municipality

2.3. Other hazards

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

3.COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures:**

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Dipropylene Glycol Methyl Ether	50-<100%
CAS – 34590-94-8	EC – 252-104-2
Index – Non-applicable	REACH – 01-2119450011-60-XXXX
Classification	Not Classified

Transfluthrin (ISO)	10-<20%
CAS – 118712-89-3	EC – 405-060-5
Index – 607-223-00-8	REACH – Non-applicable
Classification	ATP CLP00
Aquatic Acute 1: H400	
Aquatic Chronic 1: H410	
Skin Irrit. 2: H315 - Warning	

Propan-2-ol	1-<5%
CAS – 67-63-0	EC – 200-661-7
Index – 603-117-00-0	REACH – 01-2119457558-25-XXXX
Classification	ATP CLP00
Eye Irrit. 2: H319	
Flam. Liq. 2: H225	
STOT SE 3: H336 – Danger	

Geraniol	1-<5%
CAS – 106-24-1	EC – 203-337-1
Index – Non-applicable	REACH – 01-2119552430-49-XXXX
Classification	Self-Classified
Aquatic Chronic 4: H413	
Eye Dam. 1: H318	
Skin Irrit. 2: H315	
Skin Sens. 1: H317 - Danger	

The full text for all hazard statements is displayed in Section 16.

4.FIRST AID MEASURES

4.1 Description of First aid measures

General information

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Inhalation	This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.
Ingestion	Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.
Skin contact	Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.
Eye contact	Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.
Protection of first aiders	Not Determined

4.2 Most important symptoms and effects, both acute and delayed

General information Acute and delayed effects are indicated in sections 2 and 11.

Inhalation

Ingestion

Skin contact

Eye contact

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

Notes for the doctor Treat symptomatically.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Product is non-flammable under normal conditions of storage, manipulation and use, containing flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture

Specific hazards As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Hazardous combustions products

5.3 Advice for Firefighters

Protective actions during Firefighting

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Special protective equipment For firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

6.2. Environmental precautions

Environmental precautions Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions Comply with the current legislations concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods. Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used. Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use. Do not eat or drink during the process, wash hands afterwards with suitable cleaning products. Sweep up and shovel product or other means and place in container for reuse or disposal.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Advice on general**Occupational hygiene**

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

7.2. Conditions for safe storage, including any incompatibilities**Storage precautions**

Minimum Temp: 5°C
Maximum Temp: 30°C
Maximum Time: 36 Months
Avoid sources of heat, radiation, static electricity and contact with food.

Storage class

N/A

7.3. Specific end use(s)**Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

Usage description

Ready to use insecticide.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Substances whose occupational exposure limits have to be monitored in the work environment

Identification		Environmental limits	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	IOELV (8h)	50 ppm	308 mg/m ³
	IOELV (STEL)		
	Year	2015	

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	65 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	310 mg/m ³	Non-applicable
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	888 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	500 mg/m ³	Non-applicable
Geraniol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	8,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	29,4 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	37,2 mg/m ³	Non-applicable
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	Non-applicable	Non-applicable	26 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	319 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	89 mg/m ³	Non-applicable
Geraniol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,7 mg/m ³	Non-applicable

PNEC:

Identification				
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	STP	4168 mg/L	Fresh water	19 mg/L
	Soil	2,74 mg/kg	Marine water	1,9 mg/L
	Intermittent	190 mg/L	Sediment (Fresh water)	70,2 mg/kg
		Non-applicable	Sediment (Marine water)	7,02 mg/kg
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	STP	2251 mg/L	Fresh water	140,9 mg/L
	Soil	28 mg/kg	Marine water	140,9 mg/L
	Intermittent	140,9 mg/L	Sediment (Fresh water)	552 mg/kg
		160 g/kg	Sediment (Marine water)	552 mg/kg
Geraniol CAS: 106-24-1 EC: 203-377-1	STP	0,7 mg/L	Fresh water	0,0108 mg/L
	Soil	0,0167 mg/kg	Marine water	0,00108 mg/L
	Intermittent	0,108 mg/L	Sediment (Fresh water)	0,115 mg/kg
		Non-applicable	Sediment (Marine water)	0,0115 mg/kg

8.2. Exposure controls

Appropriate engineering controls

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

Personal protection	Work clothing, Anti-slip work shoes.
Eye/face protection	Panoramic glasses against liquid splash. Clean daily and disinfect periodically.
Hand protection	Protective gloves against minor risks. Replace when signs of damage.
Other skin and body	Personal protective equipment for the body should be selected based on the task being protection performed and the risks involved.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Not Available
Odour	Not Available
Odour threshold	Not Applicable
Ph	Not Applicable
Melting point	Not Applicable
Initial boiling point and range	Not Applicable

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Flash point	Not Applicable
Evaporation rate	Not Applicable
Evaporation factor	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Other flammability	Not Applicable
Vapour pressure	320 Pa at 20°C 1720 Pa at 50°C
Vapour density	Not Applicable
Relative density	0,983
Bulk density	983 kg/ m ³
Solubility(ies)	Not Applicable
Partition coefficient	Not Applicable
Auto-ignition temperature	270°C
Decomposition Temperature	Not Applicable
Viscosity	Not Applicable
Explosive properties	Not Applicable
Explosive under the influence of a flame	Not Applicable
Oxidising properties	Not Applicable

9.2. Other information

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

10. STABILITY AND REACTIVITY**10.1. Reactivity**

Reactivity No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2. Chemical stability

Stability Chemically stable under the conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Possibility of hazardous Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Conditions to avoid Sunlight and Increase in temperature.

10.5. Incompatible materials

Materials to avoid Combustive materials, alkalis or strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity - oral**

Notes (oral LD₅₀) Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.comwww.stvpestcontrol.com

- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Acute toxicity - dermal**Notes (dermal LD₅₀)****Acute toxicity - inhalation****Notes (inhalation LC₅₀)**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Skin corrosion/irritation**Animal data****Serious eye damage/irritation****Serious eye damage/irritation****Respiratory sensitisation****Respiratory sensitisation****Skin sensitisation****Skin sensitisation**

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

Germ cell mutagenicity**Genotoxicity - in vitro****Carcinogenicity****Carcinogenicity**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

IARC carcinogenicity**Reproductive toxicity****Reproductive toxicity - fertility**

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

**Reproductive toxicity –
Development****Specific target organ toxicity - single exposure**

STOT - single exposure Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Aspiration hazard

Aspiration hazard Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

General information

Inhalation High concentrations of vapour may cause dizziness, nausea and headaches.

Ingestion May cause irritation of mouth, respiratory tract and intestinal system.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May cause mild irritation or discomfort.

Route of entry

Toxicity of ingredients

Identification	Acute toxicity		Genus
Transfluthrin (ISO) CAS: 118712-89-3 EC: 405-060-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L (4 h)	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L (4 h)	
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	LD50 oral	5280 mg/kg	Rat
	LD50 dermal	12800 mg/kg	Rat
	LC50 inhalation	72,6 mg/L (4 h)	Rat
Geraniol CAS: 106-24-1 EC: 203-377-1	LD50 oral	4200 mg/kg	Rat
	LD50 dermal	5100 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L (4 h)	

12. ECOLOGICAL INFORMATION

Ecotoxicity

12.1. Toxicity

Identification		Acute toxicity	Species	Genus
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LC50	10000 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1919 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Transfluthrin (ISO) CAS: 118712-89-3 EC: 405-060-5	LC50	0.0007 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	0.0017 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
	EC50	13299 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae

12.2. Persistence and degradability

Identification		Degradability		Biodegradability	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BOD5	Non-applicable	Concentration	Non-applicable	
	COD	0.00202 g O2/g	Period	28 days	
	BOD5/COD	Non-applicable	% Biodegradable	73 %	
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	BOD5	1.19 g O2/g	Concentration	100 mg/L	
	COD	2.23 g O2/g	Period	14 days	
	BOD5/COD	0.53	% Biodegradable	86 %	
Geraniol CAS: 106-24-1 EC: 203-377-1	BOD5	Non-applicable	Concentration	100 mg/L	
	COD	Non-applicable	Period	21 days	
	BOD5/COD	Non-applicable	% Biodegradable	70 %	

12.3. Bioaccumulative potential

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

 Email: info@stvpestcontrol.com
www.stvpestcontrol.com

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BCF	1
	Pow Log	-0.06
	Potential	Low
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	BCF	3
	Pow Log	0.05
	Potential	Low
Geraniol CAS: 106-24-1 EC: 203-377-1	BCF	110
	Pow Log	3.56
	Potential	High

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	Koc	1.5	Henry	8,207E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2,24E-2 N/m (25 °C)	Moist soil	Yes

12.5. Results of PBT and vPvB assessment

Results Non-Applicable

12.6. Other adverse effects

Other adverse effects Not Described

Toxicity of ingredients

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information HP14 Ecotoxic

Disposal methods Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Waste class In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014.

14. TRANSPORT INFORMATION

General The product is not covered by international regulations on the transport of dangerous goods (INDG, IATA, ADR/RID)

14.1. UN number

UN No UN3077

14.2. UN proper shipping name

UN Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Transfluthrin (ISO))

14.3. Transport hazard class(es)

Transport Hazard Class(es) 9

14.4. Packing group

III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

Yes

14.6. Special precautions for user

Special Regulations – 274,335,375,601
Tunnel Restriction Code – E
Physico-Chemical Properties – See section 9
Limited Quantities – 5kg

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

Transport in bulk according to

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

**Annex II of MARPOL 73/78
and the IBC Code**

Not applicable.

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Non-applicable

EU legislation

Article 95, REGULATION (EU) No 528/2012: Transfluthrin (ISO) (Product-type 18) ; Propan-2-ol (Product-type 1, 2, 4) ; Geraniol (Product-type 18, 19)

15.2. Chemical safety assessment**Chemical Safety Assessment**

The supplier has not carried out evaluation of chemical safety.

Inventories

Non-applicable

EU - EINECS/ELINCS**EU Legislation**Non-applicable

16. OTHER INFORMATION**Abbreviations and acronyms used
In the safety data sheet****Classification abbreviations
and acronyms**

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol–water partition coefficient

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.comwww.stvpestcontrol.com

Koc: Partition coefficient of organic carbon

**Classification procedures
according to Regulation (EC)
1272/2008**

Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life
Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 2: H225 - Highly flammable liquid and vapour
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
STOT SE 3: H336 - May cause drowsiness or dizziness
Skin Irrit. 2: Calculation method
Aquatic Acute 1: Calculation method
Aquatic Chronic 1: Calculation method
Skin Sens. 1: Calculation method
Eye Irrit. 2: Calculation method

Revision date 22/11/2017
Revision 1

Hazard statements in full

Exclusion of liability:

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. **CTR – Consultoria, Técnica e Representações, Lda.** provides no warranties, express or implied, and assumes no responsibility for the accuracy and completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible for ensuring they have all the data relevant to their use.

MSDS information: Use only in accordance with label instructions. The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation. The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. 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 storage and transportation of the preparation. The information in this data sheet is accurate at the date of publication and will be updated as and

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com

when appropriate. No liability will be accepted by STV International 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. This Material Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for amateur users only. This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC and Annex II of the REACH regulation 1097 of 2006.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

STV International Ltd

Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND

Tel: +44 (0)1953 881580 Fax: +44 (0)1953 881452

Email: info@stvpestcontrol.com

www.stvpestcontrol.com