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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product Identifier:

### **ZER981 – ‘ZERO IN’ SPIDER REPELLENT RTU SPRAY – 500ml**

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

#### 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

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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

None

#### 2.2 Label Elements

None

#### 2.3 Other Hazards

No other hazard information available

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### 3.COMPOSITION/INFORMATION ON INGREDIENTS

#### **3.1 Product Code: ZER981**

#### **3.2 Hazardous components:**

Chemical Name	CAS No.	Symbol(s)	R-Phrase(s)	Conc. [%]
Peppermint Oil	8006-90-4	F, X	36/38, 43, 51/53	0.5

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### 4.FIRST AID MEASURES

#### **4.1 Description of first aid measures**

##### General Information

Remove all contaminated clothing immediately and launder or dispose of safely.

##### Inhalation

Move to fresh air. Keep patient warm and at rest. If symptoms persist call a physician.

##### Ingestion

Rinse mouth out and give water in small sips to drink. Do NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.

##### Skin contact

In case of skin contact, immediately wash with plenty of soap and water for at least 15 minutes. After skin contact, apply vitamin E or simple body milk. If symptoms persist call a physician.

##### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

#### **4.2 Most important symptoms and effects, both acute and delayed**

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

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## **5. FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

### **5.2 Unsuitable Extinguishing Media**

High volume water jet.

### **5.3 Special Hazards arising from the substance or mixture**

Dangerous gases are evolved in the event of a fire.

Heated containers may increase in pressure and may burst.

### **5.4 Advice for fire-fighters**

In the event of fire and/or explosion do not breathe fumes.

In the event of fire wear self-contained breathing apparatus.

### **5.5 Additional Information**

Remove containers from areas of fire or cool to prevent pressure build up.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak.

Avoid contact with spilled product or contaminated surfaces.

When dealing with spillage wear appropriate PPE. (see section 8)

When dealing with spillage do not eat, drink or smoke.

### **6.2 Environmental Precautions**

Do not allow to get into surface water, drains and ground water.

If spillage enters drains leading to sewage works inform local water company immediately.

If spillage enters rivers or water courses, inform the Environment Agency (emergency number 0800 807060).



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### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (eg sand, silica gel, binders).

Keep in suitable closed containers for disposal. (see section 13)

Clean floor with plenty of water.

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## 7. HANDLING AND STORAGE

### 7.1 Precaution for safe handling

No specific precautions required when handling unopened packs/containers. Follow relevant manual handling advice.

Appropriate PPE should be worn when necessary.

Do not eat drink or smoke when handling.

Do not breathe spray mist.

Avoid release into the environment.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of the reach of children.

Store only in original container, in a dry, cool and well ventilated place.

Keep away from direct sunlight.

Keep away from food drink and animal feedingstuffs.

Protect from frost.

### 7.3 Specific end use(s)

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Refer to COSHH assessment (Control of substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer to COSHH Essentials.

### 8.2 Exposure controls

#### Monitoring

If product contains component(s) with exposure limits, personal, workplace, atmospheric or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use protective respiratory equipment. Reference should be made to European standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

**Occupational**

If user operations generate dust, fumes, gas, vapour or mist use process

**Exposure**

enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended statutory limits.

**Hygiene Measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking, smoking and using the lavatory at the end of a working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Respiratory**

This product should not require respiratory protection if used in accordance with label. **For emergency or other use :** Use a properly fitted air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended : Full mask with ABEK Filter.

**Hand Protection**

This product should not require hand protection if used in accordance with label. **For emergency or other use :** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary. Dispose of when contaminated inside or when perforated. Hands should be washed even after wearing gloves before eating, drinking, smoking or using the lavatory.

Recommended : Butyl rubber / nitrile gloves.

**Eye Protection**

This product should not require eye protection if used in accordance with label. **For emergency or other use :**

Safety eyewear complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended : Safety glasses with side shields.

**Skin protection**

This product should not require skin protection if used in accordance with label. **For emergency or other use :**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended : Wear protective clothing

**Environmental Exposure**

Steps should be taken to ensure that this product is not released accidentally into the environment. **For emergency or other use :**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

**Appearance**

Liquid

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<b>Colour</b>	Off White
<b>Odour</b>	Pungent Peppermint

## 9.2 Other Information

<b>pH</b>	@ 1% ~ 8.0
<b>Density</b>	~ 1.000 g/ml @ 20°C
<b>Water Solubility</b>	Completely soluble

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

### 10.2 Chemical Stability

This product is stable.

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

No specific data.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute Oral Toxicity</b>	LD50 (rat) >2000 mg/Kg *
<b>Acute Inhalation Toxicity</b>	LC50 (rat) No data (4hour Exposure)
<b>Acute Dermal Toxicity</b>	LD50 (rat) >2000 mg/Kg *
<b>Skin Irritation</b>	Not expected to be irritating to skin.*
<b>Eye Irritation</b>	Not expected to be irritating to eyes.*
<b>Sensitization</b>	May cause sensitisation by skin contact.*

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**Other \*** - This product has not been tested, this data has been calculated. The surfactant complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004.

## 12.ECOLOGICAL INFORMATION

### **Bioaccumulation**

Bluegill Sunfish

Bioconcentration factor (BCF) No data

### **Toxicity to Fish**

LC50 No data

Exposure time : 96 hours

### **Toxicity to Daphnia**

EC50 (Daphnia Magna) No data

Exposure time : 48 hours

### **Toxicity to Algae**

LC50 (Algae) No data

Exposure time : 96 hours

**Other** This product has not been tested.

## 13.DISPOSAL CONSIDERATIONS

### **13.1 Waste Treatment Methods**

The generation of all waste should be avoided or minimised wherever possible. Recycling should also be considered before the disposal of any waste.

Contaminated packaging and waste product must be disposed of via a licensed waste disposal contractor.

Any disposal practice must be in compliance with local and national laws and regulations

Outer packaging	EWC code : 15 01 01	(Paper or cardboard)
Bottle	EWC code : 15 01 02	(Plastic)
Damaged or leaking Packaging	EWC code : 15 01 10*	(Contaminated packaging)
Liquid product	EWC code :	

## 14. TRANSPORT INFORMATION

### **No Transport Information**

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## 15. REGULATORY INFORMATION

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

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and taken into account the intended product use

### **15.2 Chemical Safety Assessment**

**Contains** 10% Peppermint Oil

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## 16. OTHER INFORMATION

Revision Date 13/01/12  
Revision 1

#### Risk Phrases In Full

R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety Phrases In Full

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feedstuffs.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S46	If swallowed seek medical advice immediately and show this container or label.

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**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 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

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