



# MATERIAL SAFETY DATA SHEET

Date / Revised: 06/10/2016

Product Name: **Wildlife Insect Repellent**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: Wildlife insect repellent CL127  
Product No.  
Product Application: Non-insecticide, topical insect repellent  
Supplier: BCB International LTD  
Unit 7 & 8 Clydesmuir Road Industrial Estate  
Cardiff,  
CF24 2QS  
United Kingdom

Emergency Telephone: +44 (0) 29 2043 3700

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008

One or more of the substances in this product feature the following, combined, hazards.

Eye irritation (Category 2), H319  
Acute Toxicity, Oral (Category 4), H302  
Skin irritation (Category 2), H315  
Chronic aquatic toxicity (Category 3), H412

For the full text of the H statements mentioned in this section, see section 16.

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

		R52/53
Xn	Harmful	R22
Xi	Irritant	R36/38

For the full text of the R-phrases mentioned in this section, see section 16.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

Pictogram



Signal word: Warning

Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction

H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
Precautionary statement(s)	
P264	Wash hands thoroughly after handling
P273	Avoid release to the environment
P280	Wear protection gloves/protective clothing/eye protection/face protection
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice attention
EUH208	May produce an allergic reaction
Supplemental hazard statements	None

**2.3 Other hazards** None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS-No.	Content (%)	Classification acc. to Regulation (EC) No 1272/2008	Classification acc. to Directive 1999/45/EC or 67/548/EEC
N,N-diethyl- <i>m</i> -toluamide	205-149-7	134-62-3	39.95	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 3; H302, H315, H319, H412	Xn, R22 - R36/38 - R52/53
Castor oil	232-293-8	8001-79-4	21.97	N/a	N/a
Oleyl alcohol	205-597-3	143-28-2	14.98	N/a	N/a
Ozokerite wax	64742-60-5	265-134-6	12.98	N/a	N/a
Beeswax	232-383-7	8012-89-3	9.99	N/a	N/a
Citrepel 50 <sup>®</sup> :			<0.1	Eye Irrit. 2; H319	Xi, R36
Mixture of cis- and trans- <i>p</i> -menthane-3,8-diol		42822-86-6		Eye Irrit. 2; H319	Xi, R36
Lemongrass oil	295-161-9	91844-92-7		Eye Dam. 1; Skin Sens. 1; Skin Irrit. 2; H315, H317, H318	Xi, R36, R38, R43
Methylparaben	202-785-7	99-76-3	<0.02	N/a	N/a

The full text for all R-Phrases are given in Section 16 below.

### SECTION 4: FIRST-AID MEASURES

#### 4.1 Description of first aid measures

<b>General Advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Unlikely due to nature of product. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Vapours emitted by this product may cause respiratory irritation. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available.

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**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing Media**

<b>Suitable extinguishing media</b>	Dry powder, Alcohol-resistant foam, Carbon dioxide or dry chemical.
<b>Unsuitable extinguishing media</b>	Water jet or water spray.

**5.2 Special hazards arising from the mixture**

May produce carbon oxide, nitrogen oxides, sulfur oxides, soot and other organic products.  
One or more component has unknown decomposition products.  
Do not let run-off from fire enter drains.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus and a chemical protective suit.  
  
Attempt to cool containers to reduce/prevent pressurisation.

**5.4 Further information**

No data available.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

<b>6.2</b>	<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>6.3</b>	<b>Methods and materials for containment and cleaning up</b>	Soak up any liquids or run-off with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Avoid cleaning with water if possible.
<b>6.4</b>	<b>Reference to other sections</b>	For disposal see section 13.

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#### **SECTION 7: HANDLING AND STORAGE**

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<b>7.1</b>	<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and should be kept upright where possible. Keep in original container. For incompatible materials see section 10.
<b>7.3</b>	<b>Specific end use(s)</b>	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>8.1</b>	<b>Control Parameters</b>	
	<b>Components with workplace control parameters</b>	Contains no substances with occupational exposure limit values.
<b>8.2</b>	<b>Exposure Controls</b>	
	<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks, at the end of the workday and immediately after handling product.

#### **Personal protective equipment**

<b>Skin protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
	Full contact Material: Fluorinated rubber

Minimum layer thickness: 0.7 mm  
Break through time: 480 min  
Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact  
Material: butyl-rubber  
Minimum layer thickness: 0.3 mm  
Break through time: 60 min  
Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,  
test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

<b>Eye/face protection</b>	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Body protection</b>	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white, tacky/waxy solid.
Odour	Faint odour of DEET. Waxy.
pH	No data available.
Melting/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flammability	No data available.
Relative density	No data available.
Water solubility	Insoluble in water.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Oxidising properties	No data available.

Explosive properties

No data available.

#### SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	No data available.
<b>10.2</b>	<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	No data available.
<b>10.4</b>	<b>Conditions to avoid</b>	Avoid extremes of temperature.
<b>10.5</b>	<b>Incompatible materials</b>	One or more of the components are incompatible with the following: strong oxidising agents, strong reducing agents, strong acids, strong bases.
<b>10.6</b>	<b>Hazardous decomposition products</b>	Other decomposition products – no data available. In the event of fire: see section 5.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
	<b>Acute toxicity</b>	One or more of the components exhibit acute oral, inhalation and dermal toxic effects as a raw material. No tests have been conducted for this product.
	<b>Skin corrosion/irritation</b>	One or more components exhibit skin irritation as a raw material. No tests have been conducted for this product.
	<b>Serious eye damage/irritation</b>	One or more components exhibit moderate eye irritation as a raw material. No tests have been conducted for this product.
	<b>Respiratory or skin sensitisation</b>	No components exhibit respiratory or skin sensitisation as a raw material. No tests have been conducted for this product.
	<b>Germ cell mutagenicity</b>	One or more components exhibit mutagenic effects with rat's sperm. No germ cell mutagenicity tests have been carried out on human subjects. No tests have been conducted for this product.
	<b>Carcinogenicity</b>	No study conducted. No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.
	<b>Reproductive toxicity</b>	One or more components exhibit reproductive toxicity effects in:  Rabbit – Oral. Maternal effects: Other effects.  Rat – Oral.

Maternal effects: Other effects. Effects on embryo or Fetus: Fetotoxicity (except death, e.g. stunted fetus).

No test information available regarding human subjects. No tests have been conducted for this product.

**Specific target organ toxicity – single exposure** No data available.

**Specific target organ toxicity – repeated exposure** No data available.

**Aspiration hazard** No data available.

The chemical, physical and toxicological properties have not been thoroughly investigated for this product.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>	One or more components have been tested for their toxicity to fish, toxicity to invertebrates and toxicity to algae, though testing has not been conducted on this combination of chemicals.
<b>12.2</b>	<b>Persistence and degradability</b>	No data available.
<b>12.3</b>	<b>Bioaccumulative potential</b>	No data available.
<b>12.4</b>	<b>Mobility in soil</b>	No data available.
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	Assessment not available as chemical safety assessment not required/not conducted. One or more components do not meet the criteria for classification as PBT or vPvB.
<b>12.6</b>	<b>Other adverse effects</b>	No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1</b>	<b>Waste treatment methods</b>	
	<b>Product</b>	Offer surplus and non-recyclable solutions to a licenced disposal company. Do not allow product to enter drains.
	<b>Contaminated packaging</b>	Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

<b>14.1</b>	This product, nor its components, are classified as dangerous good for transportation by ADR/RID, IMDG or IATA. This product has no UN number, UN proper shipping name, hazard class, packaging group or environmental hazards.
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**14.2 Special precautions for user** No data available.

## SECTION 15: REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

**15.2 Chemical safety assessment**

No data available

## SECTION 16: OTHER INFORMATION

**Full text of H-statements referred to under sections 2 and 3.**

Acute tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

**Full text of R-phrases referred to under sections 2 and 3.**

Xn	Harmful
Xi	Irritant
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R51	Toxic to aquatic organisms
R52	Harmful to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment

### Further information

The above information is believed to be correct at the time of writing, however no guarantee is made to its accuracy. This document is designed only as guidance for the safe use, storage and handling of this product. The information present relates only to this product and may not be valid when the product is used in conjunction with other materials. BCB International LTD or its affiliates shall not be held liable for any damage resulting from the handling or contact with the above product. BCB International LTD offers no guarantee of the properties of the product, nor the product itself.