

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

1.1. Product identifier

Product form : Article
Product name : Pest-Stop Solar Powered Mole Repeller
Product Code Pelsis : PSSPMR

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

1.2.1. Relevant identified uses

Use of the substance/mixture : LITHIUM ION BATTERIES

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pelsis Ltd.
Sterling House
Grimbald Crag Close
HG5 8PJ Knaresborough - United Kingdom
T +44 (0) 800 988 5359 - F +44 (0) 1423 863 497
info@pelsis.com

1.4. Emergency telephone number

Emergency number : +44 (0) 800 988 5359

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111 - NHS 24 (Ecosse)		111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : The internal materials of battery are corrosive to eyes, skin, mucous membranes and upper respiratory tract. Cause burns. Avoid directly contact with the internal battery. Prevent inhalation. The internal materials of battery may be harmful to the environment. Pay attention to water system.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixtures

Comments : The product is outside the scope of GHS

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lithium cobalt oxide	CAS-No.: 12190-79-3	40-45	Not classified
Graphite	CAS-No.: 7782-42-5	20-23	Not classified
Copper	CAS-No.: 7440-50-8	6-8	Not classified
Carbon nanotubes	CAS-No.: 1333-86-4	4-5	Not classified
Aluminium	CAS-No.: 7429-90-5 EC-No.: 231-072-3	3-5	Not classified
Methyl ethyl carbonate	CAS-No.: 623-53-0	2-3	Not classified
Phosphate(1-),hexafluoro, lithium	CAS-No.: 21324-40-3	2-3	Not classified
Nickel	CAS-No.: 7440-02-0	2-3	Not classified
Poly(vinylidene fluoride)	CAS-No.: 24937-79-9	2-3	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse immediately with plenty of water for 15 minutes. Call a physician immediately.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth with water and give 1 or 2 glasses of water or milk. Get medical attention immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious or convulsing person.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , or water spray or regular foam.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Do not breathe fumes. fume.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Keep upwind.
Protection during firefighting	: Wear recommended personal protective equipment. Do not breathe smoke. Do not breathe vapour. Use self-contained breathing apparatus and chemically protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear personal protective clothing (see chapter 8). Evacuate unnecessary personnel. Keep upwind. Ensure there is adequate ventilation. Remove ignition sources.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Avoid sub-soil penetration. Prevent entry to sewers and public waters. Recover the cleaning water for later disposal.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect leaking and spilled liquid in sealable containers as far as possible. In case of leakage, eliminate all ignition sources. If the electrolyte leaks, use dry soil, dry sand or other non-combustible materials to absorb and cover the leakage. Sweep or shovel spills into appropriate container for disposal. Sweep up spilled material without making dust. Do not use sawdust or other combustible material to absorb spilled material. Ensure adequate air ventilation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Operators should be trained and strictly abide by operating procedures. Wear suitable protective clothing, gloves and eye/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only in well-ventilated areas. Avoid disassembling the battery at will, reversing battery polarity within the battery assembly and overcharging. The battery must be firmly packed in inner packaging. Prevent short circuits. Avoid contact with skin and eyes. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a dry, cool area. Keep only in the original container in a cool, well ventilated place.
Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. The battery must be firmly packed in inner packaging. Prevent short circuits. Protect from sunlight.
Incompatible materials : oxidising substances. combustible materials. Corrosives.
Heat and ignition sources : Keep away from sources of ignition - No smoking. Hazardous decomposition products in case of fire.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

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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:

Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Chemical resistant apron. Chemical resistant safety shoes

Hand protection:

Wear suitable gloves resistant to chemical penetration

8.2.2.3. Respiratory protection

Respiratory protection:

Gas mask with filter type

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: prismatic.
Colour	: No data available
Odour	: Odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available

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Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Keep away from heat/open flames/hot surfaces- No smoking. The battery must be firmly packed in inner packaging. Prevent short circuits. Water, humidity.

10.5. Incompatible materials

Strong oxidizing agents. Combustible materials. Strong alkalis.

10.6. Hazardous decomposition products

Upon heating, toxic fumes are formed. May form explosive peroxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

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Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available




SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : This material and its container must be disposed of as hazardous waste.
Additional information : Do not incinerate closed containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number		
UN 3480	UN 3480	UN 3480
14.2. UN proper shipping name		
LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	Lithium ion batteries
Transport document description		
UN 3480 LITHIUM ION BATTERIES, 9A, (E)	UN 3480 LITHIUM ION BATTERIES, 9	UN 3480 Lithium ion batteries, 9A
14.3. Transport hazard class(es)		
9A	9	9A
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

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14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M4
Special provisions (ADR)	: 188, 230, 310, 348, 376, 377, 387, 636
Limited quantities (ADR)	: 0
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: E
EAC code	: 4W

Transport by sea

Special provisions (IMDG)	: 188, 230, 310, 348, 376, 377, 384, 387
Limited quantities (IMDG)	: 0
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-1
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW19
Properties and observations (IMDG)	: Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
CAO packing instructions (IATA)	: See 965
CAO max net quantity (IATA)	: See 965
Special provisions (IATA)	: A88, A99, A154, A164, A183, A201, A206, A213, A331, A334, A802
ERG code (IATA)	: 12FZ

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

No additional information available

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Safety Data Sheet (SDS), EU

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