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

1.1 Product identifier

Product /substance	Exosex® SP <i>Tab</i>
Product code	E290
CAS number	Not allocated
EC number	Not allocated

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

Recommended use	For use as a moth attractant/mating disruptor against: Indian Meal Moth Mediterranean Moth Tobacco/Warehouse Moth Almond Moth Raisin Moth
Uses advised against	Not for outdoor use

1.3 Details of the Supplier of the Safety Data Sheet

Company	Exosect Limited Leylands Business Park Colden Common Winchester, SO1 1TH, UK
Telephone	+44 (0) 23 8060 3939
E-mail address	info@exosect.com

1.4 Emergency telephone number

Please contact	+44 (0) 23 8060 3939
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SECTION 2: Hazard identification

2.1 Classification of the substance or mixture


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

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2 Label elements

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

Hazard pictograms:	None
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Signal word: None

Hazard statements: None

Precautionary statements: P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P264 Wash hands thoroughly after handling

Supplemental hazard information: No further information available

2.3 Other hazards

No hazards identified

SECTION 3: Composition / information on ingredients

3.1 Substances

Component	CAS No.	EC No.	Weight %	CLP Classification
(Z,E)-Tetradeca-9,12-dienyl acetate	30507-70-1	250-753-6	1.0	None

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1. General information:

In the case of accident or feeling unwell, seek medical advice and show directions for use or safety data sheet if possible

4.1.2. Following inhalation:

If tablet powder is inhaled remove casualty to fresh air. If breathing is difficult or symptoms persist, seek medical attention.

4.1.3. Following skin contact:

In case of contact, wash skin with soap and water.

4.1.4. Following eye contact:


In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical attention.

4.1.5. Following ingestion:

If ingested, wash out mouth with water. Seek medical attention.

4.1.6. Self-protection of the first aider:

First aider: Pay attention to self-protection

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4.2 Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation

4.3 Indication of any immediate medical attention and special treatment needed

No special treatment noted

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂), foam, water, dry extinguishing powder.

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

No available data

5.3. Advice for firefighters

Protective equipment, boots overalls, gloves, eye and face protection approved for fire fighting must be worn.

SECTION 6: Accidental release measures

6.1. Personnel precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Spillages may make floor slippery. Avoid generating dust. Sweep up spilled tablets and/or powder into containers for disposal, powder residues may be removed by wiping / mopping the area with a mild detergent solution.

6.1.2 For emergency responders

Spillages may make floor slippery. Avoid generating dust. Sweep up spilled tablets and/or powder into containers for disposal, powder residues may be removed by wiping / mopping the area with a mild detergent solution.

6.2 Environmental precautions


In the event of a large spillage, collect the material and dispose of safely.

6.3. Methods and material for containment and cleaning up

Sweep up spilled tablets and/or powder into containers for disposal. Powder residues may be removed by wiping / mopping the area with a mild detergent solution.

6.3.1 For containment

Collect in closed and suitable containers for disposal.

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6.3.2 For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.3.3 Other information

None.

6.4. Reference to other sections

Personal protection equipment: see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures:

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work.

Handle and open pack with care. Always close pack tightly after the removal of product.

For indoor use only. Do not use in locations where food, feed or water could become contaminated. Do not apply directly to tobacco.

Do not eat, drink or smoke whilst handling this product . Avoid contact with powder when handling the dispensers. Wash hands and exposed skin before meals and after use.

Keep out of reach of children.

This material and its container must be disposed of in a safe way.

Measures to prevent fire:

This product is not highly flammable. No special fire protection measures are necessary.

Measures to prevent aerosol and dust generation:


Handle with care and avoid crushing the tablets which may create dust.

Measures to protect the environment:

No specific measures noted

Advice on general occupational hygiene:

Do not eat, drink or smoke whilst handling this product. Wash hands after use.Wash contaminated clothing prior to re-use.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep in a safe place. Store unopened at or below 4°C. Use within 6 months. After removal from cold storage use within 2 weeks. Once opened, use immediately.

Requirements for storage rooms and vessels:

No specific rooms or vessels required.

Further information on storage conditions:

Protect packs against damage.

7.3. Specific end use(s)

For use only by professional operators as an attractant/mating disruptor of stored product lepidoptera.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits (WEL)

No occupational exposure limit values have been assigned.

Biological limit values

No biological exposure limits noted


Monitoring methods

Follow standard monitoring procedures as required

Derived No Effect Level (DNEL): No available data

PNECs:

Environmental protection target	PNEC Value
PNEC aquatic, freshwater	No available data
PNEC sediment, freshwater	No available data
PNEC aquatic, marine water	No available data
PNEC sediment, marine water	No available data
PNEC secondary poisoning	No available data
PNEC sewage treatment plant (STP)	No available data
PNEC soil	No available data
PNEC air	No available data

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8.2. Exposure controls

8.2.1. Appropriate engineering controls:

Handle in accordance with good hygiene and safety practices. Wash hands before breaks and at the end of working day.

8.2.2. Personal protective equipment:

Eye/face protection:	Not required in normal use
Skin protection	Not required in normal use
Respiratory protection	Not required in normal use
Thermal hazards	Not required


8.2.3. Environmental exposure controls:

No specific controls are recommended.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance:	Off-white, powdery cylindrical tablet.
(b) Odour:	Fatty, waxy
(c) Odour threshold:	No available data
(d) pH:	Not applicable to solids
(e) Melting point / freezing point	82 °C - 86 °C
(f) Initial boiling point and boiling range:	No available data
(g) Flash point:	271 – 315 °C (closed cup)
(h) Evaporation rate:	Not applicable, not volatile
(i) Flammability (solid, gas):	Not flammable
(j) Upper/lower flammability or explosive limits:	
Minimum Ignition Energy (MIE):	3-4 mJ
(k) Vapour pressure	Not applicable to solids
(l) Vapour density	Not applicable to solids
(m) Relative density	1g cm ³
(n) Solubility(ies)	Soluble in n-hexane, sparingly soluble in acetone, ethanol
(o) Partition coefficient n-octanol/water	No available data
(p) Auto-ignition temperature	No available data
(q) Decomposition temperature	No available data

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- (r) **Viscosity** Not applicable to solids
- (s) **Explosive properties** Not explosive
- (t) **Oxidising properties** Not oxidising

9.2 Other information

No additional information relevant to safe use of the substance.

SECTION 10: Stability and reactivity

10.1 Reactivity

Non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.2 Chemical stability:

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. .

10.3 Possibility of hazardous reactions

No hazardous reactions expected from the use or storage of this product

10.4. Conditions to avoid:

No specific conditions to avoid

10.5. Incompatible materials

No known incompatibilities

10.6 Hazardous decomposition products

No hazardous decomposition expected.

SECTION 11: Toxicological information

11.1 Information on toxicological effects (Active substance)


a) Acute toxicity

Oral No available data

Dermal No available data

Inhalation No available data

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
(Z,E)-Tetradeca-9,12-dienyl acetate	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	>5.2 mg/L (rat)

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b) Skin corrosion/irritation	Not corrosive, not a skin irritant
c) Serious eye damage/irritation	
Test method	No information available
Test species	Rabbit
End point	Not an eye irritant
d) Respiratory or skin sensitisation	
Respiratory	No available data
Skin	Not a skin sensitizer (GPMT)
e) Germ cell mutagenicity	Not mutagenic
f) Carcinogenicity	No available data.
g) Reproductive toxicity	No available data.
h) STOT-single exposure	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	No available data.
Target organs	No available data.
j) Aspiration hazard	No available data.
Other adverse effects	No available data.


SECTION 12. Ecological information

12.1 Toxicity

Acute (short-term) fish toxicity	No available data.
Chronic (long-term) fish toxicity	No available data.
Acute (short-term) toxicity to crustacea	No available data.
Chronic (long-term) toxicity to crustacea	No available data.
Toxicity to other aquatic plants/organisms	No available data.
Toxicity to microorganisms	No available data.

12.2 Persistence and degradability (Active substance)

Abiotic degradation	No available data.
Physical and photo-chemical elimination	DT50 approx. 3 hours by OH-radicals DT50 approx. 1 hour by ozone radicals

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Biodegradation Readily biodegradable

12.3 Bioaccumulative potential (Active substance)

Partition coefficient n-octanol/water (log Kow) >6.5 (20°C @ pH6.5)
Bioconcentration factor (BCF) Log BCF fish: 4.7 (TGD estimation, "modified Connell equation")
Log BCF fish: 2.84 (BCFWIN v2.17)

12.4 Mobility in soil (Active substance)

Know or predicted distribution to environmental compartments DT50=1d @32 °C
Surface tension No available data
Adsorption/Desorption No available data

12.5 Results of pbt and vpvb assessment (Active substance)

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or high.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal:

Waste is not classified as hazardous. This material and its container must be disposed of in a safe way. Packaging should be disposed of in accordance with local regulations.

13.1.2 Waste treatment-relevant information:

No special waste treatment required.

13.1.3 Sewage disposal-relevant information:

Do not dispose of in sewers.


13.1.4 Other disposal recommendations:

Handle contaminated packaging in the same manner as the product. Can be incinerated in compliance with local regulations.

SECTION 14: Transport information

Not classified as hazardous for transport

14.1. UN number

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Not classified

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not classified

14.4. Packing group

Not classified

14.5. Environmental hazards

No hazards identified

14.6. Special precautions for user

No special precautions required

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

Not applicable, packaged goods.

SECTION 15: Regulatory information

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

This product is approved under the Biocidal Product Regulation (EU) No.528/2012. Authorisation No: UK-2016-1002.

15.2 Chemical safety assessment

A chemical safety assessment has not been conducted for this mixture

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3: No hazard statements allocated.

The information provided in this safety data sheet is accurate at the date of publication and is intended to give guidance on the safe handling, use, processing, storage, transport and disposal of the product. No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

Sections marked with a ♣ indicate that new or revised information has been added.

This version replaces all previous versions.