	Document	SDS290 Exosect SPTab
	Version	-XX-English-r1
Safety Datasheet (according to EC regulation 453/2010/EC)	Supersedes	MSDS011-9
Exosect® SP_{Tab}	Date	19-04-11

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

- 1.1. Product identifier** **Exosect® SP_{Tab} E290**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
 For the mating disruption of stored product lepidoptera.
- 1.3. Details of the supplier of the safety data sheet**
 Exosect Limited
 Leylands Business Park
 Colden Common
 Winchester, SO1 1TH, UK
 info@exosect.com
- 1.4. Emergency telephone number**
 + 44 (0) 2380 603939 office hours 08:30 – 16:30 GMT Mon-Fri

2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**
 Not classified as hazardous under according to 99/45/EC and 1272/2008/EC

2.2. Label elements

99/45/EC

Symbol(s): None
Risk phrase(s): None

Safety phrase(s): **S2** Keep out of reach of children
S13 Keep away from food, drink and animal feeding stuffs
S20/21 When using do not eat, drink or smoke
S29/35 Do not empty into drains: dispose of this material and its container in a safe way.

Contains: Z,E-9,12 Tetradecadienyl acetate

1272/2008/EC

Pictogram(s): Not required
Signal word: Not required
Hazard statements: Not required

Precautionary statements:


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

Response: Not required
Storage: Not required
Disposal: **P501** Dispose of contents/container in accordance with local/regional/national regulations.

Contains: Z, E-9,12 Tetradecadienyl acetate

Other hazards

Does not meet the criteria for PBT or vPvB.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

99/45/EC

Dangerous substances	Content %	CAS No	EC No.	Hazard symbols	Risk phrases
Z,E-9,12 Tetradecadienyl acetate	1	30507-70-1	250-753-6	None	None
Inerts	99	-	-	None	None

1272/08/EC

Dangerous substances	Content, %	CAS No	EC No.	Hazard statements
Z,E-9,12 Tetradecadienyl acetate	1	30507-70-1	250-753-6	None
Inerts	99	-	-	None

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

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

Skin contact

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

Contact with eyes

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

Ingestion

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

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

May cause discomfort if product gets into eyes.

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

None noted

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical powder, foam, water.


Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

No data

5.3. Advice for firefighters

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

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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. Wear appropriate protective clothing as indicated in section 8. Extra personal protection: P1 filter respirator for nuisance particles.

6.1.2. For emergency responders

Spillages may make floor slippery. Avoid generating dust. Wear appropriate protective clothing as indicated in section 8. Extra personal protection: P1 filter respirator for nuisance particles.

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 substance into containers for disposal (avoid making dust). Powder residues may be removed by wiping / mopping the area with a mild detergent solution.

6.4. Reference to other sections

Not required

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with powder when handling the dispensers.

If irritation occurs, wash with water and soap and seek medical advice if the irritation persists.

Do not eat, drink or smoke whilst handling this product

Wash hands after use

7.2. Conditions for safe storage, including any incompatibilities

Store unopened at or below 4°C. Use within 12 months. After removal from cold storage use within 2 weeks. Once opened, use immediately.

7.3. Specific end use(s)

For professional use only for the mating disruption of stored product lepidoptera.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit values have been assigned.

8.2. Exposure controls


Eye protection:	Not required in normal use
Skin protection/Hand protection	Nitrile gloves to EN374 are recommended
Respiratory protection	Not required in normal use
Thermal hazards	Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Off-white powdery tablet.

Odour: Fatty, waxy

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Odour threshold	Not available
pH	Not applicable to solids
Melting point/freezing point:	82 °C - 86 °C
Initial boiling point / boiling point range	Not available
Flash point:	271 – 315 °C (closed cup)
Evaporation rate	Not applicable – not volatile
Upper/lower flammability or explosive limits:	
Minimum Ignition energy	3-4 mJ
Vapour pressure	Not applicable to solids
Vapour density	Not applicable to solids
Relative density:	1g/cm ³
Solubility(ies):	Soluble in n-hexane, sparingly soluble in acetone, ethanol Insoluble in water
Partition coefficient n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not applicable to solids
Explosive properties	Not classed as an explosive
Oxidising properties	Not oxidising

9.2. Other information

None noted

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:

None

10.4. Conditions to avoid:

Temperatures in excess of 50 °C, melts at 82 °C - 86 °C

10.5. Incompatible materials:

None

10.6. Hazardous decomposition products:

None


11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects (for active substance)

Acute toxicity

LD ₅₀ Oral (rat)	>2000 mg/kg
LD ₅₀ Dermal (rabbit)	>2000 mg/kg
LC ₅₀ Inhalation (rat)	> 5.2 mg/L

No toxicological hazard is expected from use of this product (used in accordance with label instructions) based on toxicity data for the technical pheromone and content in this product.

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Irritation

Irritating to rabbit skin, not irritating to rabbit eye.

Corrosivity

Not corrosive

Sensitisation

Not a skin sensitizer in tests with guinea pigs

Repeated dose toxicity

Not applicable, EU evaluation concludes there is no repeated dose toxicity (see EU directive 2008/127/EC)

Carcinogenicity

Not applicable, EU evaluation concludes that the active is not carcinogenic (see EU directive 2008/127/EC)

Mutagenicity

Not applicable, EU evaluation concludes that the active is not mutagenic (see EU directive 2008/127/EC)

Toxicity for reproduction

Not applicable, EU evaluation concludes that the active is not a reprotoxin (see EU directive 2008/127/EC)

12. ECOLOGICAL INFORMATION

12.1. Toxicity (for active substance)

No data

**12.2. Persistence and degradability:
(For mixture)**

Not relevant; exposure falls within naturally occurring background levels.

**12.3. Bioaccumulative potential:
(For mixture)**

Not relevant; exposure falls within naturally occurring background levels.

12.4. Mobility in soil:

Not mobile in soil.

12.5. Results of PBT and vPvB assessment:

The mixture does not fulfil the criteria for being regarded either as a PBT or vPvB substance.

12.6. Other adverse effects:

No other adverse effects are observed.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product waste is not classified as hazardous/special waste and can be sent to landfill or incineration. Packaging should be disposed of in accordance with local regulations.

Do not dispose into sewers.

14. TRANSPORT INFORMATION


Not classified as hazardous for transport

15. REGULATORY INFORMATION

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

The active substance included in this product has been included to annex I of EU Directive 91/414/EC as published in Directive 2008/127/EC.

In the USA, the use of this product is covered by the tolerance exemption 40 CFR 180.1153 for lepidopteran pheromones.

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15.2. Chemical safety assessment

A chemical safety assessment has not been conducted for this mixture.

16. OTHER INFORMATION

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.

This version replaces all previous versions.