



Tel +27 (0) 15 065 0199 • E-mail info@insectscience.co.za • www.insectscience.co.za

SAFETY DATA SHEET

S.P. PheroLure®

1. IDENTIFICATION

Product code: PSP
Product name: S.P. PheroLure®
Chemical contents: Stored pest pheromone blend.

Product description, recommended uses and restrictions:

This product consists of a pheromone blend in a rubber septa. This product is intended for use in non-crop situations for the monitoring of stored pests: Cigarette beetle (*Lasioderma serricorne*), Indian meal moth (*Plodia interpunctella*), Mediterranean flour moth (*Ephesia kuehniella*), Almond moth (*Cadra cautella*), Tobacco moth (*Ephesia elutella*), Raisin moth (*Cadra figulilella*) and Warehouse beetles (*Trogoderma spp.*).

Supplier: Insect Science (Pty) Ltd.
9 Industria Street, New Industrial Area, Tzaneen, 0850, South Africa
Telephone: 015 307 1391 / 015 065 0199
Emergency number: 015 307 1391 / 015 065 0199 (office hours)
In case of poisoning: Griffon Poison Information Centre 082 446 8946
Tygerberg Hospital 021 931 6129
Poison Emergency Enquiries 021 689 5227

2. HAZARD IDENTIFICATION

Classification of substance or mixture according to GHS; Regulation (EC) No 1272/2008

Hazard class	Hazard category	Hazard statement
Health		
Skin irritation	Skin Irr 3	H316

Label elements

Pictograms: None

Signal word: Warning

Hazard statement(s):

H316: Causes mild skin irritation

Precautionary statements:

P332+P317: If skin irritation occurs: Get medical help.

Supplemental hazard statement(s):

None

Other hazards: Not known



Tel +27 (0) 15 065 0199 • E-mail info@insectscience.co.za • www.insectscience.co.za

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / mixture: Mixture loaded into a rubber septum

Substance Name: Stored pest pheromone blend

Synonyms: S.P. PheroLure

CAS Registry Number: Various

Formula: Various

Hazardous ingredients according to GHS

Component	CAS registry number	Concentration	Classification 1272/2008	EC
Z,E-9,12-Teradecadienyl Acetate	30507-70-1	<5%	Skin Irrit. 2 (H315)	

4. FIRST-AID MEASURES

When loaded in the dispenser, the impregnated substance represents less of a hazard than the neat substance.

General advice

Ingestion: If swallowed, wash mouth with water if person is conscious. Never give anything by mouth to an unconscious person. The impregnated substance is not classified as toxic by oral consumption. The device may represent a choking hazard. Obtain medical attention if necessary.

Skin contact: The impregnated substance is not classified as toxic by dermal exposure. In case of contact, remove contaminated clothing if applicable and wash area of exposure with non-abrasive soap and copious amounts of water for several minutes.

Inhalation: The impregnated substance is not expected to be acutely toxic by inhalation. If inhaled, remove the source of contamination or move victim to fresh air.

Eye contact: Flush eyes with clean water for several minutes, holding the eyelids open. If present, remove contact lenses after 5 minutes. Continue rinsing.

Most important symptoms and effects, both acute and delayed: The impregnated substance is not considered hazardous by any route of exposure.

Indication of any immediate medical attention and special treatment needed: There is no specific antidote available. Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

This material is not flammable.

Extinguishing media

Suitable: Where possible, extinguish fire with dry chemical powder, foam or carbon dioxide.

Unsuitable: Not known.

Specific hazards arising from combustion: Carbon monoxide and carbon dioxide.



Tel +27 (0) 15 065 0199 • E-mail info@insectscience.co.za • www.insectscience.co.za

Special precautions for fire-fighters: Remove spectators from the area. Stay upwind of fire to avoid inhalation of hazardous vapours and fumes. Wear self-contained breathing apparatus and protective clothing where necessary. Always fight fires from the maximum distance, especially in the case of hazardous material. Contain fire control agents for later disposal.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Wear impermeable gloves when handling the product to avoid contact with skin.

Environmental precautions: This product is not expected to be harmful to the environment when used according to recommendations.

Methods and materials for containment and cleaning up: Spillage is unlikely. Clean up devices and dispose of according to local regulations. Burning or dumping of this material is prohibited.

7. HANDLING AND STORAGE

Precautions for safe handling: KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Before handling, ensure that all hazards are understood and the correct personal protective equipment is used (refer to section 8 of this SDS). Wash hands thoroughly after use and before eating, drinking, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities: Store containers locked away and out of reach of uninformed persons or animals. Store the product in its original, labelled, closed container in a freezer until use. Never transfer this product to another container for storage. Always comply with local regulations.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Permissible concentrations: No occupational exposure limits have been set for any of the ingredients used in this product.

Engineering controls: Adequate ventilation is essential. The appropriate measures that need to be implemented at a worksite will depend on the way in which the product is used and on the extent of worker exposure. Provide local exhaust ventilation systems to maintain airborne concentrations below permissible exposure limits.

Personal protective equipment:

Eye / face protection: Avoid touching eyes when handling the product.

Skin protection: Avoid contact with skin.

Respiratory protection: Avoid breathing mist or vapours.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid substance loaded into a rubber septum



Tel +27 (0) 15 065 0199 • E-mail info@insectscience.co.za • www.insectscience.co.za

Colour: Colourless to light yellow liquid in a rubber septa.

Odour: Mild, characteristic pheromone odour

Melting point / freezing point: Liquid at room temperature

Boiling point or initial boiling point and boiling point range: >300 °C

Flammability: Combustible liquid

Lower and upper explosion limit / flammability limit: No data available

Flash point: >100 °C

Auto-ignition temperature: Product does not auto-ignite

Decomposition temperature: No data available

pH: No data available

Kinematic viscosity: No data available

Solubility: Insoluble in water. Soluble in all common organic solvents except DMSO, ethylene glycol.

Partition coefficient n-octanol / water (log value): No data available

Vapour pressure: No data available

Density and/or relative density: 0.963 g/cm³ (20 °C)

Relative vapour density: No data available

Particle characteristics: No data available

10. STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Open flames.
Incompatible materials:	No data available.
Hazardous decomposition products:	No data available.

11. TOXICOLOGICAL INFORMATION

When in the dispenser formulation, the impregnated pheromone represents less of a hazard than the neat pheromone material.

Acute toxicity (calculated according to GHS)

Oral > 5000 mg/kg (rat)

Dermal > 5000 mg/kg (rabbit)

Inhalation > 20 mg/L (rat)

Skin corrosion / irritation: Causes mild skin irritation.

Eye damage / irritation: May causes eye irritation on direct contact

Respiratory or skin sensitization: Not considered a skin sensitizer.

Germ cell mutagenicity: Not considered a mutagen.

Carcinogenicity: Not considered a carcinogen.

Reproductive toxicity: Not considered a reproductive toxin.

Specific target organ toxicity single exposure: Not considered a target organ toxicant after single exposure.

Specific target organ toxicity repeated exposure: Not considered a target organ toxicant after multiple exposure.

Aspiration hazard: Not considered an aspiration hazard.

12. ECOLOGICAL INFORMATION

The impregnated mixture is not classified as environmentally hazardous. Application through a dispenser is considered to have minimal ecological impact.

Ecotoxicity (neat pheromone material)

Fish

LC ₅₀ (96h)	Rainbow trout	> 0.99 mg/L
------------------------	---------------	-------------

Birds

Acute oral LD ₅₀	Bobwhite quail	> 2050 mg/kg
-----------------------------	----------------	--------------

Daphnia

LC ₅₀ (48h)		> 100 mg/L
------------------------	--	------------

Algae

EC ₅₀ (72h)		1.2 mg/L*
------------------------	--	-----------

Bees

LD ₅₀		Not available
------------------	--	---------------

Worms

LC ₅₀ (14d)		Not available
------------------------	--	---------------

*Extrapolated from a chemical in the same class.

Persistence and degradability: Rapid degradation, evaporation and volatilization can be expected for all straight chain Lepidoptera pheromone (SCLP) actives. The pheromone diffuses out of the dispenser and is dispersed throughout the orchard.

Bio-accumulative potential: Rapid degradation, evaporation and volatilization can be expected for all straight chain Lepidoptera pheromone (SCLP) actives.

Mobility in soil: No data available. The product is not expected to come into direct contact with the soil when used according to recommendations.

Plants: No data available. The product is not expected to come into direct contact with plant material when used according to recommendations.

Other adverse effects: Not known.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Open dumping or burning of this device is prohibited. According to the regulations regarding extended producer responsibility (National Environmental Management: Waste Act, 2008; Act No. 59 of 2008), the used device needs to be incinerated or recycled by an approved recycler. Unused product that has expired needs to be incinerated.



Tel +27 (0) 15 065 0199 • E-mail info@insectscience.co.za • www.insectscience.co.za

14. TRANSPORT INFORMATION

UN number:	Not regulated.
UN proper shipping name:	Not regulated.
Transport hazard class:	Not regulated.
Packaging group, if applicable:	Not regulated.
Environmental hazards:	Not considered a marine pollutant.
Special precautions for user:	None

15. REGULATORY INFORMATION

Safety, health and environmental regulations / legislation used:

Regulations for hazardous chemical agents, 2021. Occupational Health and Safety Act, 1993.
OSHA 1993 Regulations for hazardous chemical substances.
EU regulation: Regulation EC1272/2008 (EU-GHS/CLP).
United Nations Globally Harmonized System of Classification, ninth revised edition, 2021.
ECHA: European Chemicals Agency.

16. OTHER INFORMATION

Packaging:	Packaged as a ready-to-use lures that should be used in conjunction with an Insect Science (Pty) Ltd. Yellow Delta Trap.
Compiled:	September 2022
Reviewed:	September 2022
Revision number:	1
Next revision date:	September 2027
For more information, please contact the registration holder.	
END OF SDS.	
