



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Elector PSP

### Other means of identification

**Item Code** AH0495

**Recommended use** Biocide

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company Name** Elanco Animal Health  
2500 Innovation Way  
Greenfield, IN 46140  
US

**Phone:** 1-877-Elanco1 (1-877-352-6261)

**Email:** lilly\_msds@lilly.com

**Emergency Telephone Numbers:** Elanco Product Technical Support / Human or Animal Exposure Reporting:  
1-888-545-5973

Transportation Emergency Telephone: CHEMTREC: 1-800-424-9300  
(Outside U.S. 1-703-527-3887)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

### Precautionary statement

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name | Common name and synonyms | CAS number  | %    |
|---------------|--------------------------|-------------|------|
| Spinosad      |                          | 168316-95-8 | 44.2 |

Other components below reportable levels

**Composition comments** Spinosad is a mixture of the following components: Spinosyn A (CAS# 131929-63-0) and Spinosyn D (CAS# 131920-60-7).

## 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Oxygen or artificial respiration if needed. Call a physician or poison control center immediately.  |
| <b>Skin contact</b>   | Wash off immediately with plenty of water. Take off contaminated clothing and wash before reuse. Get immediate medical attention.  |
| <b>Eye contact</b>  | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.   |
| <b>Ingestion</b>  | If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a physician or poison control center immediately. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | None known.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | None known.  |
| <b>General information</b>  | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  |

## 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Alcohol resistant foam. Water. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals. |
| <b>Unsuitable extinguishing media</b>                                | Not available.   |
| <b>Specific hazards arising from the chemical</b>                    | Fire or excessive heat may produce hazardous decomposition products.             |
| <b>Special protective equipment and precautions for firefighters</b> | Wear self-contained breathing apparatus and protective clothing.                 |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | See Section 8 of the SDS for Personal Protective Equipment.   |
| <b>Methods and materials for containment and cleaning up</b>               | Soak up with inert absorbent material. Large spills due to traffic accidents, etc., should be reported immediately to CHEMTREC and Elanco Animal Health for assistance. |
| <b>Environmental precautions</b>   | Do not discharge into drains, water courses or onto the ground. Avoid discharge to the aquatic environment.   |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | NOT INTENDED FOR HUMAN USE. Keep out of reach of children. To avoid risks to human health and the environment, comply with the instructions for use. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original container. Keep away from food, drink and animal feedingstuffs.  |

## 8. Exposure controls/personal protection

|  |   |
|--|---|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | Supplier: TWA 0.3 mg/m <sup>3</sup> (Spinosad)<br><br>A Lilly exposure guideline has not been established. The above exposure guideline has been established by the supplier. |
| <b>Appropriate engineering controls</b>                                      | Use appropriate control measures such as fume hood, ventilated enclosure, local exhaust ventilation, or down-draft booth.   |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Chemical resistant gloves.  |
| <b>Other</b>   | Chemical-resistant gloves and impermeable body covering to minimize skin contact.   |

|                                       |   |
|---------------------------------------|---|
| <b>Respiratory protection</b>         | Use an approved respirator. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor.   |
| <b>Thermal hazards</b>                | Not applicable.   |
| <b>General hygiene considerations</b> | Use good industrial hygiene practices in handling this material.<br><br>Under normal use and handling conditions, wear goggles to protect eyes and wear impermeable gloves and protective equipment to avoid direct contact with skin. Wash thoroughly with soap and water after handling.<br><br>When mixing and handling, use protective clothing, impervious gloves, and dust respirator (recommended). Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse with plenty of water. |

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid.

**Form** Suspension.

**Color** Tan.

**Odor** None known.

**Odor threshold** No data available.

**pH** No data available.

**Melting point/freezing point** No data available.

**Initial boiling point and boiling range** 212 °F (100 °C)

**Flash point** > 199.4 °F (> 93.0 °C) Test method not available.

**Evaporation rate** No data available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** No data available.

**Flammability limit - upper (%)** No data available.

**Explosive limit - lower (%)** No data available.

**Explosive limit - upper (%)** No data available.

**Vapor pressure** No data available.

**Vapor density** No data available.

**Relative density** No data available.

### Solubility(ies)

**Solubility (water)** Soluble

**Partition coefficient** No data available.

**(n-octanol/water)** No data available.

**Auto-ignition temperature** No data available.

**Decomposition temperature** No data available.

**Viscosity** No data available.

**Viscosity temperature** No data available.

### Other information

**Density** No data available.

**Explosive properties** Not explosive

**Oxidizing properties** No oxidizing properties.

**Percent volatile** No data available.

**Specific gravity** 1.09

**VOC (Weight %)** No data available.

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not available.                                 |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.    |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.       |
| <b>Conditions to avoid</b>                | None under normal conditions.                  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                       |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known. |

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Components                 | Species | Test Results          |
|----------------------------|---------|-----------------------|
| Spinosad (CAS 168316-95-8) |         |                       |
| <b>Acute</b>               |         |                       |
| <b>Dermal</b>              |         |                       |
| LD                         | Rabbit  | > 5000 mg/kg          |
| <b>Inhalation</b>          |         |                       |
| LC50                       | Rat     | > 5180 mg/m3, 4 hours |
| <b>Oral</b>                |         |                       |
| LD                         | Rat     | > 5000 mg/kg (female) |
| LD50                       | Rat     | 4444 mg/kg (male)     |

**Skin corrosion/irritation** Rabbit: No irritation (Spinosad)

**Serious eye damage/eye irritation** Rabbit: Slight. (Spinosad)

#### Respiratory or skin sensitization

**Respiratory sensitization** Due to lack of data the classification is not possible.

**Skin sensitization** No effects identified in animal studies. (Spinosad)

**Germ cell mutagenicity** In vitro and in vivo tests did not show mutagenic effects. (Spinosad)

**Carcinogenicity** No effects identified in animal studies. (Spinosad)

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not available.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

**Reproductive toxicity** In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. (Spinosad)  
Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Due to lack of data the classification is not possible.

**Specific target organ toxicity - repeated exposure** In animals, has been shown to cause vacuolation of cells in liver, kidney, and bone tissues and changes in blood and serum biochemistry. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use. (Spinosad)  
Based on available data, the classification criteria are not met.

**Aspiration hazard** No aspiration toxicity classification

**Further information** None known.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components                 | Species | Test Results  |
|----------------------------|---------|---|
| Spinosad (CAS 168316-95-8) |         |   |
| <b>Aquatic</b>             |         |   |
| Algae                      | EC50    | Algae<br>0.107 mg/l Navicula sp.  |
|                            |         | Green algae (Selenastrum capricornutum)<br>105.5 ppm (currently known as Pseudokirchneriella subcapitata) |
| Crustacea                  | EC50    | Daphnia<br>92.7 mg/l, 48 h  |
| Fish                       | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss)<br>30 mg/l, 96 h                                      |
|                            |         | Sunfish (Lepomis)<br>5.94 mg/l, 96 h  |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available on bioaccumulation.

**Mobility in soil** No data available.

**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow this material to drain into sewers/water supplies.

### 14. Transport information

**General information** Effective January 1, 2015 by Special Provision, UN3077 and UN3082 when packaged in inner packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.

#### DOT

Not regulated as dangerous goods.

#### IATA

**UN number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (SPINOSAD)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 9L  
**Special precautions for user** Not available.  
**Other information**  
**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

#### IMDG

**UN number** UN3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SPINOSAD)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-A, S-F  
**Special precautions for user** Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

IATA; IMDG



Marine pollutant



## 15. Regulatory information

### US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA.

CERCLA/SARA Hazardous Substances - Not applicable.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### US. Massachusetts RTK - Substance List

Not regulated.

#### US. New Jersey Worker and Community Right-to-Know Act

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Not Listed.

**International Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

|                       |                                       |
|-----------------------|---------------------------------------|
| <b>Issue date</b>     | 09-03-2014                            |
| <b>Revision date</b>  | 11-11-2015                            |
| <b>Version #</b>      | 05                                    |
| <b>Lilly Lab Code</b> | Health: 1<br>Fire: 0<br>Reactivity: 0 |

**List of abbreviations**

LEG = Lilly Exposure Guideline

**Disclaimer**

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS MATERIAL SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:  
Elanco Animal Health  
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**Revision Information**

Hazard(s) identification: Hazard statement