

**ELECTOR 480 G/L**

Version 1.7

Revision Date 04/19/2010

Print Date 05/04/2010

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ELECTOR 480 G/L  
Substance Number : 000004278260  
Common Name : Elector PSP

Company : Elanco Animal Health  
Division of Eli Lilly and Company  
2001 West Main St  
Greenfield, IN 46140

Telephone : 1-800-428-4441  
Emergency telephone : CHEMTREC: 1-800-424-9300 (Outside U.S. 1-703-527-3887)

Item Code : AH0495

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview****Lilly Lab Labeling Code****Health:** 1**Fire:** 0**Reactivity:** 0**Primary Hazards:** Liver, Kidney, Bone Marrow**Hazard Summary (Caution):** May cause liver effects. May cause kidney effects. May cause bone marrow effects.**Emergency Overview**

Form : suspension

Colour : tan

**Potential Health Effects**

Eyes : May cause mild or transient irritation.

Aggravated Medical Condition : None known.

Primary Routes of Entry : Inhalation Skin contact

Additional Information : Exposure to small amounts during normal handling is not likely to cause harmful

**ELECTOR 480 G/L**

Version 1.7

Revision Date 04/19/2010

Print Date 05/04/2010

effects. Animal studies have reported the following effects: Liver effects. Kidney effects. Bone marrow changes. (spinosad)

**Carcinogenicity**

NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	Concentration [%]
Spinosad	168316-95-8	44.2
Spinosyn A	131929-60-7	
Spinosyn D	131929-63-0	
Propylene Glycol	57-55-6	
Inert Ingredients	NA	

NA = Not applicable, Not assigned, or Not available.

**SECTION 4. FIRST AID MEASURES**

Inhalation	: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Eye contact	: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Ingestion	: If conscious, give the victim plenty of water to drink. Never give anything by mouth to an unconscious person. Call a physician immediately.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flash point	: > 93 °C	Upper explosion limit	: no data available
Lower explosion limit	: no data available		
Suitable extinguishing media	: Water Carbon dioxide (CO <sub>2</sub> ) Dry chemical		
Unusual Fire and Explosion	: Hazardous decomposition products formed under fire conditions.		



## ELECTOR 480 G/L

Version 1.7

Revision Date 04/19/2010

Print Date 05/04/2010

Hazard.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up : Wear protective equipment, including eye protection, to avoid exposure (see Section 8 for specific handling precautions). Use absorbent/adsorbent material to solidify liquids. Large spills due to traffic accidents, etc., should be reported immediately to CHEMTREC and Elanco Animal Health for assistance. Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes.

### SECTION 7. HANDLING AND STORAGE

#### Handling

Advice on safe handling : NOT FOR HUMAN USE! Keep out of the reach of children. To avoid risks to human health and the environment, comply with the instructions for use.

#### Storage

Requirements for storage areas and containers : Store in original container. Do not contaminate water, food or feed by storage or disposal.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure guidelines

Components	Exposure Limit Values
Spinosad	<b>Supplier:</b> TWA 0.3 mg/m <sup>3</sup>
Propylene Glycol	<b>AIHA:</b> TWA 10 mg/m <sup>3</sup>

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.

#### Personal protective equipment

Respiratory protection : Use an approved respirator.

Eye protection : Safety glasses

Skin and body protection : When mixing and handling, use protective clothing, impervious gloves, and dust respirator. Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse with plenty of water.



**ELECTOR 480 G/L**

Version 1.7

Revision Date 04/19/2010

Print Date 05/04/2010

- Spinosad: 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.

**Carcinogenicity**

- Spinosad: Animal testing did not show any carcinogenic effects.
- Propylene Glycol: Animal testing did not show any carcinogenic effects.

**Reproductive toxicity**

- Spinosad: In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

**Mutagenicity**

- Spinosad: Result in genetic toxicity assays (in vitro and in vivo): Negative.

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity to fish**

- Spinosad LC50 / 96 h / *Lepomis macrochirus*: 5.94 mg/l  
LC50 / 96 h / *Oncorhynchus mykiss*: 30 mg/l

**Toxicity to algae**

- Spinosad EC50 / *Pseudokirchneriella subcapitata*: >105.5 ppm  
EC50 / *Navicula* sp.: 0.107 mg/l

**Toxicity to daphnia**

- Spinosad EC50 / 48 h/ *Daphnia magna* : 92.7 mg/l

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal methods : In accordance with local and national regulations. Do not contaminate water, food or feed by storage or disposal.

**SECTION 14. TRANSPORT INFORMATION**

<b>IMDG</b>	UN Number	: 3082
	Description of the goods	: Environmentally hazardous substance, liquid, n.o.s.
	Class	: 9
	Packaging group	: III
	Labels	: 9
	Marine pollutant	: yes

Other information : Not dangerous goods in the meaning of DOT.

**ELECTOR 480 G/L**

Version 1.7

Revision Date 04/19/2010

Print Date 05/04/2010

**SECTION 15. REGULATORY INFORMATION****TSCA Status:** Not On TSCA Inventory

131929-60-7	Spinosyn A
131929-63-0	Spinosyn D
168316-95-8	Spinosad

**DSL Status:** This product contains the following components that are not on the Canadian DSL nor NDSL lists.

131929-60-7	Spinosyn A
131929-63-0	Spinosyn D
168316-95-8	Spinosad

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SECTION 16. OTHER INFORMATION****Further information**

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 MERCHANTABILITY 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  
317-276-2000  
1-800-428-4441