

SAFETY DATA SHEETS

This SDS packet was issued with item:

078777199

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078905885

**STANDGUARD POUR ON**

Version 1.3

Revision Date 11/19/2009

Print Date 02/19/2010

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STANDGUARD POUR ON
Substance Number : 00000000288
Common Name : StandGuard Pour On Insecticide

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 : AH0943

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview****Lilly Lab Labeling Code****Health:** 2**Fire:** 1**Reactivity:** 0**Primary Hazards:** Suspect Allergen, Irritant (eyes, skin)**Hazard Summary (Caution):** May produce an allergic reaction. May cause eye and skin irritation.**Emergency Overview**

Form : liquid
Colour : yellow
Odour : oily

Potential Health Effects

Eyes : Causes eye irritation.

Skin : May irritate skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.



STANDGUARD POUR ON

Version 1.3

Revision Date 11/19/2009

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- Ingestion : Harmful if swallowed.
- Aggravated Medical Condition : Skin contact may aggravate preexisting dermatitis.
- Primary Routes of Entry : Inhalation Skin Absorption
- Additional Information : Excessive exposure may cause neuralgic signs and symptoms. Active ingredient

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 [%]
Gamma-Cyhalothrin	76703-62-3	0.5
Balance	NA	99.5

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 : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after five minutes, then continue rinsing eye. Obtain medical attention.
- Ingestion : If swallowed, call a poison control centre or doctor immediately. Give small amounts of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Notes to physician

- Treatment : Aspiration hazard if swallowed - can enter lungs and cause damage. Relief from skin sensation may be obtained by applying an oil-based cream. If medical advice is needed, have product container or label at hand. You may also contact 1-800-428-4441 for emergency medical treatment information.



STANDGUARD POUR ON

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SECTION 5. FIRE-FIGHTING MEASURES

Flash point : > 76 °C Upper explosion limit : no data available
 Lower explosion limit : no data available
 Suitable extinguishing media : Water Carbon dioxide (CO2) Dry chemical
 Unusual Fire and Explosion Hazard. : Hazardous decomposition products formed under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up : Prevent further migration into the environment. Use absorbent/adsorbent material to solidify liquids. Clean up promptly by sweeping or vacuum. Wear protective equipment, including eye protection, to avoid exposure (see Section 8 for specific handling precautions).

SECTION 7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Do not contaminate water, food or feed by storage or disposal.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines

Components	Exposure Limit Values
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Contains no substances with occupational exposure limit values.

Engineering measures

Laboratory fume hood or local exhaust ventilation.

Personal protective equipment

Respiratory protection : Use an approved respirator.
 Eye protection : Goggles Face-shield



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Skin and body protection : Wear rubber or non-permeable protective gloves when handling or applying this product. Wash thoroughly with soap and water after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	: liquid	Colour	: yellow
Physical state	: liquid	Odour	: oily

Safety data

Flash point	: > 76 °C	Density	: 0.9 g/cm ³
Lower explosion limit	: no data available	Water solubility	: no data available
Upper explosion limit	: no data available		

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Strong oxidizing agents

Hazardous decomposition products : Hazardous decomposition products formed under fire conditions.

Thermal decomposition : Stable under normal conditions.

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

• Gamma-Cyhalothrin: LD50 (male rat) > 50 mg/kg

Acute inhalation toxicity

• Gamma-Cyhalothrin: LC50 (female rat) 0.028 mg/l (4 h)

Acute dermal toxicity

• Gamma-Cyhalothrin: LD50 (female rat) > 50 mg/kg

Sensitisation:

Causes sensitization on guinea-pigs. (Similar product)

Reproductive toxicity:

Did not cause adverse effects in the fetus at doses which caused toxic effects in the mother. Did not interfere with reproduction. Active ingredient

Mutagenicity:

In vitro and in vivo tests did not show mutagenic effects. Active ingredient



STANDGUARD POUR ON

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SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish:

Very toxic to fish. Active ingredient

Toxicity to daphnia

- Gamma-Cyhalothrin EC50 / 48 h/ Daphnia magna (Water flea) : 0.54 ug/L

Bioaccumulation:

Bioconcentration potential is high. Active ingredient

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods : In accordance with local and national regulations. Observe label precautions.

SECTION 14. TRANSPORT INFORMATION

IMDG	UN Number	: 3082
	Description of the goods	: Environmentally hazardous substance, liquid, n.o.s. (Gamma-Cyhalothrin)
	Class	: 9
	Packaging group	: III
	Labels	: 9
	Marine pollutant	: yes

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

SECTION 15. REGULATORY INFORMATION

TSCA Status: All ingredients are on the inventory or are not required to be listed on the inventory.

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)



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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 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

317-276-2000

1-800-428-4441



SAFETY DATA SHEET

1. Identification

Product identifier	Standguard Pour On Insecticide	
Other means of identification		
Item Code	AH0943	
Recommended use	Insecticide.	
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	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
OSHA defined hazards	Not classified.	
Label elements		



Signal word Warning

Hazard statement

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statement

Prevention

P261 Avoid breathing mist or vapor.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P350 If on skin: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage

Not available.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Gamma-Cyhalothrin		76703-62-3	0.5
BHT		128-37-0	0.1
Corn Oil		8001-30-7	93.9
Other components below reportable levels			5.5

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause an allergic skin reaction. Rash. Dermatitis.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes. Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
BHT (CAS 128-37-0)	TWA	2 mg/m ³	Inhalable fraction and vapor.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
CORN OIL (CAS 8001-30-7)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
BHT (CAS 128-37-0)	TWA	10 mg/m ³	
CORN OIL (CAS 8001-30-7)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Mist.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Use an approved respirator. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Yellow.

Odor Oily.

Odor threshold No data available.

pH No data available.

Melting point/freezing point No data available.

Initial boiling point and boiling range No data available.

Flash point > 168.8 °F (> 76.0 °C)

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)	No data available.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Other information	
Density	0.90 g/cm ³
Percent volatile	No data available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Components	Species	Test Results
Gamma-Cyhalothrin (CAS 76703-62-3)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 50 mg/kg
<i>Inhalation</i>		
LD50	Rat	0.028 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 50 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Moderate eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Result in genetic toxicity assays (in vitro and in vivo): Negative (Gamma-Cyhalothrin)

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

BHT (CAS 128-37-0) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects. Did not cause adverse effects in the fetus at doses which caused toxic effects in the mother. Did not interfere with reproduction. (Gamma-Cyhalothrin) Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Central nervous system effects. (Gamma-Cyhalothrin) Based on available data, the classification criteria are not met.
Aspiration hazard	Not available.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Components	Species	Test Results
Gamma-Cyhalothrin (CAS 76703-62-3)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 0.54 µg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss (reported as Salmo gairdneri) 1.32 µg/l, 96 hours

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	The product contains potentially bioaccumulating substances. (Gamma-Cyhalothrin)
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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. (GAMMA-CYHALOTHRIN)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GAMMA-CYHALOTHRIN)
Transport hazard class(es)	
Class	9
Subsidiary risk	-

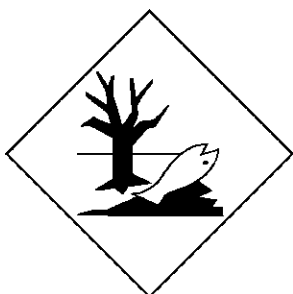
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

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

IATA; IMDG



Marine pollutant



15. Regulatory information

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

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 - Yes
Delayed Hazard - Yes
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

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

Not listed.

US. Massachusetts RTK - Substance List

BHT (CAS 128-37-0)

Corn Oil (CAS 8001-30-7)

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

BHT (CAS 128-37-0)

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

BHT (CAS 128-37-0)

Corn Oil (CAS 8001-30-7)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

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.

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

Issue date 12-08-2014

Version # 01

Lilly Lab Code Health: 2
Fire: 1
Reactivity: 0

List of abbreviations

PEL: Permissible Exposure Limit

TWA: Time Weighted Average

Disclaimer

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For additional information contact:

Elanco Animal Health

00+1+877-352-6261

00+1-800-428-4441