

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078929210

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

021142571 021142572 021142573 021142574 078846907 078846915 078846923 078846931 078929064 078929066  
078929067 078929068 078929211 078929212 078929213

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078846949

## 1. Identification

**Product identifier** PARASTAR

**Other means of identification** None.

**Recommended use** Insecticide

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company Name** Novartis Animal Health

**Address** 3200 Northline Avenue, Suite 300  
Greensboro, NC 27408

**Telephone** 1-336-387-1000

**SDS E-mail** lilly\_msds@lilly.com

**SDS telephone** 1-877-Elanco1 (1-877-352-6261)

**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**

|                                                   |            |
|---------------------------------------------------|------------|
| Acute toxicity, oral                              | Category 4 |
| Acute toxicity, inhalation                        | Category 4 |
| Serious eye damage/eye irritation                 | Category 2 |
| Specific target organ toxicity, repeated exposure | Category 1 |

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

### Hazard statement

|      |                                                                 |
|------|-----------------------------------------------------------------|
| H302 | Harmful if swallowed.                                           |
| H319 | Causes serious eye irritation.                                  |
| H332 | Harmful if inhaled.                                             |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

### Precautionary statement

#### Prevention

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| P260 | Do not breathe mist or vapor.                                              |
| P264 | Wash thoroughly after handling.                                            |
| P270 | Do not eat, drink or smoke when using this product.                        |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

#### Response

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P301 + P312        | If swallowed: Call a poison center/doctor if you feel unwell.                                                                    |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P304 + P340        | If inhaled: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P312               | Call a poison center/doctor if you feel unwell.                                                                                  |

|                                                  |                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| P330                                             | Rinse mouth.                                                                                        |
| P337 + P313                                      | If eye irritation persists: Get medical advice/attention.                                           |
| <b>Storage</b>                                   | Not available.                                                                                      |
| <b>Disposal</b>                                  |                                                                                                     |
| P501                                             | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                         |
| <b>Supplemental information</b>                  | None.                                                                                               |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS number  | %    |
|------------------------------------------|--------------------------|-------------|------|
| Fipronil                                 |                          | 120068-37-3 | 9.7  |
| Other components below reportable levels |                          |             | 90.3 |

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.                                                                            |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                                                                                                 |
| <b>Eye contact</b>                                                            | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.                                                                                                                      |
| <b>Ingestion</b>                                                              | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.                                                                                                                      |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Harmful if swallowed. Harmful if inhaled. Eye irritation. Dizziness. Nausea, vomiting. Headache. Prolonged exposure may cause chronic effects.                                                                                                                           |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.                                                                                                                                                                                                                                                   |
| <b>General information</b>                                                    | NOT FOR HUMAN USE!<br>If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |

### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods and materials for containment and cleaning up</b> | <p>In case of spills, beware of slippery floors and surfaces. Should not be released into the environment.</p> <p>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. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                             | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Do not breathe mist or vapor. Do not taste or swallow. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Do not refrigerate. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).                                                        |

## 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>Appropriate engineering controls</b>                                      | 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. |
| <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>                                                       | Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Other</b>                                                                 | Chemical-resistant gloves and impermeable body covering to minimize skin contact.                                                                                                                                                                                                                                                                                                             |
| <b>Respiratory protection</b>                                                | In case of insufficient ventilation, wear suitable respiratory equipment. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor.                                                                                                                                                                                       |
| <b>Thermal hazards</b>                                                       | Not available.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>General hygiene considerations</b>                                        | Keep away from food and drink. 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.                                                                                                                                          |

## 9. Physical and chemical properties

|                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| <b>Appearance</b>                                   |                                                  |
| <b>Physical state</b>                               | Liquid.                                          |
| <b>Form</b>                                         | Liquid.                                          |
| <b>Color</b>                                        | Clear.                                           |
| <b>Odor</b>                                         | Odorless.                                        |
| <b>Odor threshold</b>                               | No data available.                               |
| <b>pH</b>                                           | No data available.                               |
| <b>Melting point/freezing point</b>                 | No data available.                               |
| <b>Initial boiling point and boiling range</b>      | No data available.                               |
| <b>Flash point</b>                                  | No data available.                               |
| <b>Evaporation rate</b>                             | No data available.                               |
| <b>Flammability (solid, gas)</b>                    | This product is a nonflammable aqueous solution. |
| <b>Upper/lower flammability or explosive limits</b> |                                                  |
| <b>Flammability limit - lower (%)</b>               | No data available.                               |

|                                                |                              |
|------------------------------------------------|------------------------------|
| <b>Flammability limit - upper (%)</b>          | No data available.           |
| <b>Explosive limit - lower (%)</b>             | No data available.           |
| <b>Explosive limit - upper (%)</b>             | No data available.           |
| <b>Vapor pressure</b>                          | 0.000000003 mm Hg (25 °C)    |
| <b>Vapor density</b>                           | No data available.           |
| <b>Relative density</b>                        | No data available.           |
| <b>Solubility(ies)</b>                         |                              |
| <b>Solubility (water)</b>                      | 2.4 mg/l (25 °C) (Fipronil)  |
| <b>Partition coefficient (n-octanol/water)</b> | No data available.           |
| <b>Auto-ignition temperature</b>               | No data available.           |
| <b>Decomposition temperature</b>               | No data available.           |
| <b>Viscosity</b>                               | No data available.           |
| <b>Other information</b>                       |                              |
| <b>Density</b>                                 | 1.63 g/ml (20 °C) (Fipronil) |
| <b>Explosive properties</b>                    | Not explosive                |
| <b>Oxidizing properties</b>                    | No oxidizing properties.     |
| <b>Percent volatile</b>                        | No data available.           |

## 10. Stability and reactivity

|                                           |                                                                                                                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                    |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                      |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                                      |
| <b>Conditions to avoid</b>                | Avoid exposure to high temperatures or direct sunlight. Do not refrigerate. Contact with incompatible materials. |
| <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** Harmful if inhaled. Harmful if swallowed.

| Components                               | Species                                                                                                    | Test Results         |
|------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------|
| Fipronil (CAS 120068-37-3)               |                                                                                                            |                      |
| <b><u>Acute</u></b>                      |                                                                                                            |                      |
| <b>Dermal</b>                            |                                                                                                            |                      |
| LD50                                     | New Zealand white rabbit                                                                                   | 354 mg/kg            |
|                                          | Rat                                                                                                        | > 2000 mg/kg         |
| <b>Inhalation</b>                        |                                                                                                            |                      |
| LC50                                     | Albino Sprague-Dawley rat                                                                                  | < 0.42 mg/l, 4 Hours |
| <b>Oral</b>                              |                                                                                                            |                      |
| LD50                                     | Mouse                                                                                                      | 98 mg/kg             |
|                                          | Rat                                                                                                        | 92 mg/kg             |
| <b>Skin corrosion/irritation</b>         | Rabbit: Slight irritation. (Fipronil)<br>Based on available data, the classification criteria are not met. |                      |
| <b>Serious eye damage/eye irritation</b> | Causes eye irritation.                                                                                     |                      |
| <b>Respiratory or skin sensitization</b> |                                                                                                            |                      |
| <b>Respiratory sensitization</b>         | Due to partial or complete lack of data the classification is not possible.                                |                      |
| <b>Skin sensitization</b>                | Not a skin sensitizer.<br>Did not cause sensitization on laboratory animals. (Fipronil)                    |                      |

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.<br>Result in genetic toxicity assays (in vitro and in vivo): Negative (Fipronil)                                                                                                                                                                                                                                                             |
| <b>Carcinogenicity</b>                                                | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Not listed.                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reproductive toxicity</b>                                          | In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. (Fipronil)<br>Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                  |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Specific target organ toxicity - repeated exposure</b>             | Causes damage to organs through prolonged or repeated exposure.<br><br>A chronic feeding study on fipronil in rats produced seizures, including seizures resulting in death, decreased body weight gain, decreased food consumption, decreased hematology measures, alterations in clinical chemistry, alterations in thyroid hormones, alterations in urine chemistry, changes on gross necropsy, increase in liver and thyroid weights, and kidney effects. |
| <b>Aspiration hazard</b>                                              | Not an aspiration hazard.                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 12. Ecological information

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

| Components                 |      | Species                                         | Test Results                  |
|----------------------------|------|-------------------------------------------------|-------------------------------|
| Fipronil (CAS 120068-37-3) |      |                                                 |                               |
| Other                      | NOEC | Duck                                            | 1000 ppm (Avian reproduction) |
|                            |      | Quail                                           | 10 ppm (Avian reproduction)   |
| <b>Aquatic</b>             |      |                                                 |                               |
| Algae                      | EC50 | Blue-green algae ( <i>Spirulina platensis</i> ) | > 0.17 mg/l, 96 hours         |
|                            |      | Green algae ( <i>Chlamydomonas variabilis</i> ) | 0.14 mg/l, 96 hours           |
| Crustacea                  | EC50 | Daphnia                                         | 0.19 mg/l, 48 hours           |
|                            |      | Oyster ( <i>Crassostrea cucullata</i> )         | 0.77 mg/l, 96 hours           |
|                            | LC50 | Shrimp ( <i>Mysidopsis bigelowi</i> )           | 0.14 µg/l, 96 hours           |
| Fish                       | LC50 | Bluegill ( <i>Lepomis macrochirus</i> )         | 0.083 mg/l, 96 hours          |
|                            |      | Rainbow Trout                                   | 0.246 mg/l, 96 hours          |

**Persistence and degradability** Fipronil biodegrades slowly in the environment and is not expected to bioaccumulate.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

|          |      |
|----------|------|
| PARASTAR | 4.01 |
| Fipronil | 4    |

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

**Waste codes** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

## 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**

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| <b>UN number</b>               | UN3082                                                         |
| <b>UN proper shipping name</b> | Environmentally hazardous substance, liquid, n.o.s. (Fipronil) |

Material name: PARASTAR

5759 Version #: 01 Issue date: 05-29-2015

SDS US

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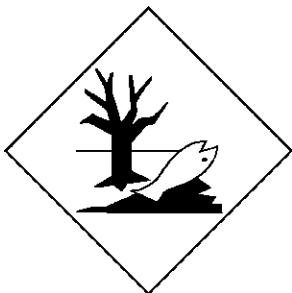
**Transport hazard class(es)**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>Class</b>                        | 9                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Environmental hazards</b>        | Yes                                                                     |
| <b>ERG Code</b>                     | 9L                                                                      |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |                                                                         |
| <b>Passenger and cargo aircraft</b> | Allowed.                                                                |
| <b>Cargo aircraft only</b>          | Allowed.                                                                |

**IMDG**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN3082                                                                  |
| <b>UN proper shipping name</b>      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FIPRONIL)          |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 9                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Environmental hazards</b>        |                                                                         |
| <b>Marine pollutant</b>             | Yes                                                                     |
| <b>EmS</b>                          | F-A, S-F                                                                |
| <b>Special precautions for user</b> | 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**            Not regulated.  
**(SDWA)**

**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**

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**

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**                            05-29-2015

**Version #**                            01

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

**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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0011+1-800-428-4441

**Revision Information**            Product and Company Identification: Alternate Trade Names  
                                             GHS: Classification