



# SAFETY DATA SHEET

## 1. Identification

|                                                               |                                                                   |                 |  |
|---------------------------------------------------------------|-------------------------------------------------------------------|-----------------|--|
| <b>Product identifier</b>                                     | <b>Trulicity™</b>                                                 |                 |  |
| <b>Other means of identification</b>                          |                                                                   |                 |  |
| <b>Item Code</b>                                              | PS1431, PS1432, PS1433, PS1434, PS1402, PS1401                    |                 |  |
| <b>Recommended use</b>                                        | Pharmaceutical                                                    |                 |  |
| <b>Recommended restrictions</b>                               | None known.                                                       |                 |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                   |                 |  |
| <b>Manufacturer</b>                                           |                                                                   |                 |  |
| <b>Company name</b>                                           | Eli Lilly and Company                                             |                 |  |
| <b>Address</b>                                                | Lilly Corporate Center<br>Indianapolis, IN 46285<br>United States |                 |  |
| <b>Telephone</b>                                              | Phone:                                                            | +1-317-276-2000 |  |
| <b>E-mail</b>                                                 | lilly_msds@lilly.com                                              |                 |  |
| <b>Emergency phone number</b>                                 | CHEMTREC:                                                         | +1-800-424-9300 |  |
| <b>LY Number</b>                                              | LY2189265                                                         |                 |  |
| <b>LSN Number</b>                                             | 2189265                                                           |                 |  |

## 2. Hazard(s) identification

|                                                  |                                                            |
|--------------------------------------------------|------------------------------------------------------------|
| <b>Physical hazards</b>                          | Not classified.                                            |
| <b>Health hazards</b>                            | Not classified.                                            |
| <b>OSHA defined hazards</b>                      | Not classified.                                            |
| <b>Label elements</b>                            |                                                            |
| <b>Hazard symbol</b>                             | None.                                                      |
| <b>Signal word</b>                               | None.                                                      |
| <b>Hazard statement</b>                          | The mixture does not meet the criteria for classification. |
| <b>Precautionary statement</b>                   |                                                            |
| <b>Prevention</b>                                | Not available.                                             |
| <b>Response</b>                                  | Not available.                                             |
| <b>Storage</b>                                   | Not available.                                             |
| <b>Disposal</b>                                  | Not available.                                             |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                |
| <b>Supplemental information</b>                  | None.                                                      |

## 3. Composition/information on ingredients

### Mixtures

| <b>Chemical name</b> | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b>    |
|----------------------|---------------------------------|-------------------|-------------|
| Dulaglutide          |                                 |                   | 0.15 - 0.29 |

**Composition comments** Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

## 4. First-aid measures

**Inhalation** Remove to fresh air. If breathing stops, provide artificial respiration. Get medical attention immediately.

|                                                           |                                                                                                                                                                                                                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b>                                       | Wash off immediately with plenty of water for at least 15 minutes. Immediately take off all contaminated clothing. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. |
| <b>Eye contact</b>                                        | Immediately flush eye(s) with plenty of water. Get medical attention.                                                                                                                                                  |
| <b>Ingestion</b>                                          | Consult a physician.                                                                                                                                                                                                   |
| <b>Most important symptoms/effects, acute and delayed</b> | None known.                                                                                                                                                                                                            |

## 5. Fire-fighting measures

|                                                                      |                                                                      |
|----------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Use extinguishing media appropriate for surrounding fire.            |
| <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 suitable protective equipment.                                  |
| <b>General fire hazards</b>                                          | This product is an aqueous mixture which will not burn.              |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                            |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear suitable protective clothing, gloves and eye/face protection.                                                                                         |
| <b>Methods and materials for containment and cleaning up</b>               | Use absorbent/adsorbent material to solidify liquids. Clean up promptly by sweeping or vacuum. See Section 8 of the SDS for Personal Protective Equipment. |
| <b>Environmental precautions</b>                                           | Avoid release to the environment.                                                                                                                          |

## 7. Handling and storage

|                                                                     |                                                                                                                                                |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep refrigerated. Store at: 2 - 8 C. Do not allow material to freeze. Protect from light.                                                     |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Lilly (LEG) Components

|             | Type        | Value    |
|-------------|-------------|----------|
| Dulaglutide | TWA (12hrs) | 30 ug/m3 |
|             | TWA (8hrs)  | 40 ug/m3 |

**Exposure guidelines** Excursion Limit is 3 times full shift TWA for no more than 30 minutes not to exceed full shift guideline.

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Open handling is not recommended. Use appropriate control measures such as fume hood, ventilated enclosure, local exhaust ventilation, or down-draft booth.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear goggles/face shield.

#### Skin protection

**Hand protection** Chemical resistant gloves.

#### Other

Chemical-resistant gloves and impermeable body covering to minimize skin contact.

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

**Thermal hazards** Not available.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

|                                                     |                          |
|-----------------------------------------------------|--------------------------|
| <b>Appearance</b>                                   | Aqueous solution.        |
| <b>Physical state</b>                               | Liquid.                  |
| <b>Form</b>                                         | Liquid.                  |
| <b>Color</b>                                        | Colorless                |
| <b>Odor</b>                                         | Odorless                 |
| <b>Odor threshold</b>                               | Not available.           |
| <b>pH</b>                                           | Not available.           |
| <b>Melting point/freezing point</b>                 | Not available.           |
| <b>Initial boiling point and boiling range</b>      | Not available.           |
| <b>Flash point</b>                                  | Not available.           |
| <b>Evaporation rate</b>                             | Not available.           |
| <b>Flammability (solid, gas)</b>                    | Not applicable.          |
| <b>Upper/lower flammability or explosive limits</b> |                          |
| <b>Flammability limit - lower (%)</b>               | Not available.           |
| <b>Flammability limit - upper (%)</b>               | Not available.           |
| <b>Explosive limit - lower (%)</b>                  | Not available.           |
| <b>Explosive limit - upper (%)</b>                  | Not available.           |
| <b>Vapor pressure</b>                               | Not available.           |
| <b>Vapor density</b>                                | Not available.           |
| <b>Relative density</b>                             | Not available.           |
| <b>Solubility(ies)</b>                              |                          |
| <b>Solubility (water)</b>                           | Not available.           |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.           |
| <b>Auto-ignition temperature</b>                    | Not available.           |
| <b>Decomposition temperature</b>                    | Not available.           |
| <b>Viscosity</b>                                    | Not available.           |
| <b>Other information</b>                            |                          |
| <b>Explosive properties</b>                         | Not explosive            |
| <b>Oxidizing properties</b>                         | No oxidizing properties. |

## 10. Stability and reactivity

|                                           |                                                                      |
|-------------------------------------------|----------------------------------------------------------------------|
| <b>Reactivity</b>                         | Not water reactive.                                                  |
| <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>   | Fire or excessive heat may produce hazardous decomposition products. |

## 11. Toxicological information

### Information on toxicological effects

|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Acute toxicity</b>                    | Not expected to be active orally.                       |
| <b>Skin corrosion/irritation</b>         | Due to lack of data the classification is not possible. |
| <b>Serious eye damage/eye irritation</b> | Due to lack of data the classification is not possible. |

## Respiratory or skin sensitization

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

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

**Germ cell mutagenicity** Mutagenicity testing has not been conducted.  
Due to lack of data the classification is not possible.

**Carcinogenicity** Not listed by IARC, NTP, ACGIH or OSHA.  
In a 2-year carcinogenicity study in rats, dulaglutide caused statistically significant dose-related increases in the incidence of thyroid C-cell tumors (adenomas and carcinomas combined) following once weekly subcutaneous administration of 1.5 mg. The human relevance of these findings is currently unknown. Thyroid C-cell changes were not reported in monkeys or in a 6-month carcinogenicity study in transgenic mice.  
Based on available data, the classification criteria are not met.

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

Not listed.

**Reproductive toxicity** At high doses, reduced fetal growth and/or skeletal defects were reported in association with maternal effects (decreased food intake/weight gain). Animal studies did not indicate direct harmful effects with respect to fertility. (Subcutaneous)  
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** No significant target organ toxicity reported. (Subcutaneous)  
Based on available data, the classification criteria are not met.

**Aspiration hazard** No aspiration toxicity classification

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with all applicable regulations.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

## 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.

### 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

### 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** 11-20-2014

**Version #** 01

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

**List of abbreviations**  
LEG: Lilly Exposure Guideline  
TWA: Time Weighted Average

**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.

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