


## Section 1: Identification

|                                   |  |   |
|-----------------------------------|--|---|
| <b>Common Name/Trade Name</b>     | Tadalafil  |   |
| <b>Supplier Information</b>       | Letco Medical, LLC<br>1316 Commerce Drive NW<br>Decatur, AL 35601<br>1 (800) 239-5288<br>+1 (734) 843-4693               | <b>IN CASE OF EMERGENCY:</b><br>Chemtrec<br>1 (800) 424-9300 (24 hours) |
| <b>Product Synonym(s)</b>         | Pyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione,6-(1,3-benzodioxol-5-yl)-2,3,6,7,12,12a-hexahydro-2-methyl-, (6R-12aR). |   |
| <b>Relevant Use(s) of Product</b> | Manufacture or Compounding of Substances   |   |

## Section 2: Hazards Identification

|   |   |   |
|---|---|---|
| <b>Classification of Substance or Mixture</b> | Acute toxicity, category 4, Acute toxicity, category 4, Specific target organ toxicity-single exposure, Category 3, Skin irritation, Category 2 |   |
| <b>Signal Word</b>                            | Warning   |   |
| <b>Hazard Statement(s)</b>                    | H302<br>H315<br>H332<br>H335  | Harmful if swallowed<br>Causes skin irritation<br>Harmful if inhaled<br>May cause respiratory irritation  |
| <b>Pictogram(s)</b>                           |    |   |
| <b>Precautionary Statement(s)</b>             | P233<br>P261<br>P305+P351+P338  | Keep container tightly closed.<br>Avoid breathing dust/fume/gas/mist/vapours/spray.<br>IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. |
| <b>Hazards Not Otherwise Classified</b>       | No data available   |   |
| <b>Ingredient(s) with Unknown Toxicity</b>    | No data available   |   |

## Section 3: Composition/Information on Ingredients

|  |   |
|--|---|
| <b>Chemical Name</b>                           | (6R-12aR)-2,3,6,7,12,12a-hexahydro-2-methyl-6-[3,4-(methylenedioxy)phenyl]Pyrazino [1',2':1,6]pyrido[3,4-b]indole-1,4-dione |
| <b>Common Name</b>                             | Tadalafil   |
| <b>CAS Number</b>                              | 171596-29-5   |
| <b>Impurities and/or Stabilizing Additives</b> | N/A   |

## Section 4: First Aid Measures

|  |  |
|--|--|
| <b>General Advice</b>                      | No data available  |
| <b>If Inhaled</b>                          | Remove to fresh air. If breathing becomes difficult or ceases, give oxygen or mouth-to-mouth resuscitation, call a physician.                  |
| <b>In Case of Skin Contact</b>             | Flush with copious amounts of soap and water for at least 15 minutes.  |
| <b>In Case of Eye Contact</b>              | Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. |
| <b>If Swallowed</b>                        | Wash out mouth with water and keep the person conscious. Call a physician. In any case seek medical advice and call the nearest poison center. |
| <b>Most Important Symptoms and Effects</b> | No data available  |

## Section 5: Fire Fighting Measures

|   |   |
|---|---|
| <b>Suitable Extinguishing Media</b>                       | Suitable extinguishing media: Water spray, CO2, powder & Appropriate Foam extinguishers. Emits toxic fumes under fire conditions. |
| <b>Special Hazards Arising From the Substance/Mixture</b> | Emits toxic fumes under fire conditions   |
| <b>Special PPE and/or Precautions for Firefighters</b>    | During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.          |

## Section 6: Accidental Release Measures

|  |   |
|--|---|
| <b>Personal Precautions, Protective Equipment and Emergency Procedures</b> | Splash goggles. Full suit. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product. |
| <b>Methods and Materials Used for Containment</b>                          | Vacuum or sweep up material and place into a suitable disposal container.   |
| <b>Cleanup Procedures</b>  | Vacuum or sweep up material and place into a suitable disposal container.   |

## Section 7: Handling and Storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for Safe Handling</b> | Prevent formation of dust. Wear protective equipment. Mechanical exhaust required. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. |
| <b>Conditions for Safe Storage</b>   | Preserve in well closed containers, store below 30°C.  |

## Section 8: Exposure Controls/Personal Protection

|   |   |
|---|---|
| <b>Components with Workplace Control Parameters</b> | Exposure Limit: 0.02 mg/m3  |
| <b>Appropriate Engineering Controls</b>             | Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use Process enclosure. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing or other dust-generating procedures. |
| <b>PPE - Eye/Face Protection</b>                    | Wear safety glasses.  |
| <b>PPE - Skin Protection</b>                        | Wear appropriate protective clothing to prevent skin exposure.  |
| <b>PPE - Body Protection</b>                        | Wear appropriate protective clothing to prevent skin exposure.  |
| <b>PPE - Respiratory Protection</b>                 | Wear a NIOSH/MSHA or European standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provision.  |

## Section 9: Physical and Chemical Properties

|   |   |
|---|---|
| <b>Appearance</b>                                   | White or Almost white powder.   |
| <b>Upper/Lower Flammability or Explosive Limits</b> | No data available   |
| <b>Odor</b>   | Odorless  |
| <b>Vapor Pressure</b>                               | No data available   |
| <b>Odor Threshold</b>                               | No data available   |
| <b>Vapor Density</b>                                | No data available   |
| <b>pH</b>   | No data available   |
| <b>Relative Density</b>                             | No data available   |
| <b>Melting Point/Freezing Point</b>                 | No data available   |
| <b>Solubility</b>                                   | Practically insoluble in water. Freely soluble in dimethyl Sulfoxide. |
| <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>                    | No data available   |
| <b>Partition Coefficient</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   |

## Section 10: Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | No data available  |
| <b>Chemical Stability</b>                 | Stable under normal conditions.  |
| <b>Possibility of Hazardous Reactions</b> | No data available  |
| <b>Conditions to Avoid</b>                | Avoid direct sunlight, conditions that might generate heat and sources of ignition.                        |
| <b>Incompatible Materials</b>             | As a precautionary measure, keep away from strong oxidizers.   |
| <b>Hazardous Decomposition Products</b>   | Thermal decomposition could develop hazardous fumes (NO <sub>x</sub> CO <sub>x</sub> and SO <sub>x</sub> ) |

## Section 11: Toxicological Information

|   |  |
|---|--|
| <b>Acute Toxicity - LD50 Oral</b>                         | Oral LD50: 2000 mg/Kg (Rat). Harmful if swallowed. |
| <b>Acute Toxicity - Inhalation</b>                        | Harmful if inhaled.                                |
| <b>Acute Toxicity - Dermal</b>                            | Skin LD50: 1000 mg/Kg (Rabbit)                     |
| <b>Acute Toxicity - Eye</b>                               | Causes eye irritation.                             |
| <b>Skin Corrosion/Irritation</b>                          | Causes skin irritation.                            |
| <b>Serious Eye Damage/Irritation</b>                      | Causes eye irritation.                             |
| <b>Respiratory or Skin Sensitization</b>                  | No sensitizing effects.                            |
| <b>Germ Cell Mutagenicity</b>                             | Not available                                      |
| <b>Carcinogenicity IARC</b>                               | Not available                                      |
| <b>Carcinogenicity ACGIH</b>                              | Not available                                      |
| <b>Carcinogenicity NTP</b>                                | Not available                                      |
| <b>Carcinogenicity OSHA</b>                               | Not available                                      |
| <b>Reproductive Toxicity</b>                              | Not available                                      |
| <b>Specific Target Organ Toxicity - Single Exposure</b>   | May cause respiratory irritation.                  |
| <b>Specific Target Organ Toxicity - Repeated Exposure</b> | No data available                                  |
| <b>Aspiration Hazard</b>                                  | No data available                                  |

## Section 12: Ecological Information

|                                      |   |
|--------------------------------------|---|
| <b>Toxicity</b>                      | EC50(48 Hours): >2 mg/L (Daphnia), EC50(72 Hours): >1.95 mg/L (Algen), LC50(96 Hours): >2.1 mg/L (Fish) |
| <b>Persistence and Degradability</b> | No data available   |
| <b>Bio-accumulative Potential</b>    | No data available   |
| <b>Mobility in Soil</b>              | No data available   |
| <b>Other Adverse Effects</b>         | No data available   |

## Section 13: Disposal Considerations

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|--|--|
| <b>Waste Treatment Methods Product</b>               | Method of disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Observe all federal, state and local environmental regulations. |
| <b>Waste Treatment Methods Packaging</b>             | No data available  |
| <b>Special Precautions Landfill or Incinerations</b> | No data available  |
| <b>Other Information</b>                             | No data available  |

## Section 14: Transport Information

|                                   |                      |
|-----------------------------------|----------------------|
| <b>UN Number</b>                  | Not dangerous goods. |
| <b>UN Proper Shipping Name</b>    | N/A                  |
| <b>Transport Hazard Class(es)</b> | N/A                  |
| <b>Packaging Group</b>            | N/A                  |
| <b>Environmental Hazards</b>      | N/A                  |

## Section 15: Regulatory Information

\*DSC (EEC): Unlisted. \*HMS (USA): Unlisted

## Section 16: Other Information

|                               |                  |
|-------------------------------|------------------|
| <b>Additional Information</b> | N/A              |
| <b>Prepared By</b>            | Lisa Russell     |
| <b>Revision Date</b>          | 01/03/2019 14:40 |

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