



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Tadalafil

30-5037

### Section 1: Identification

**Product Name** Tadalafil  
**Commercial Name** N/A  
**Product Use** Active Pharmaceutical Ingredient  
**Restrictions On Use** N/A  
**Product Code** 30-5037  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Skin irritation (Category 2) Eye irritation (Category 2) Specific target organ toxicity - single exposure  
**CFR 1910.1200** (Category 3)

**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** P264 Wash {hands} thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection. P362+364 Take off contaminated clothing and wash it before reuse. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Storage** Not available.

**Disposal** Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Tadalafil  
**% By Weight** 100  
**CAS#** 171596-29-5  
**Molecular Weight** 389.41g/mol  
**Chemical Formula** C<sub>22</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>  
**Synonym(s)** N/A

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Tadalafil	171596-29-5	100	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Consult a physician.
<b>Skin Contact</b>	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
<b>Eye Contact</b>	Hold eyelid apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
<b>Ingestion</b>	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting unless directed to do so by medical personnel.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
Not available	

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use water spray to cool fire-exposed containers, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Not available

**Products of Combustion**

Not available

**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection. Environmental precautions: Take steps to avoid release into the environment, if safe to do so. Methods and materials for containment and cleaning up: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

**Section 7: Handling and Storage**

Precautions to be taken in handling: Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. Precautions to be taken in storing: Keep container tightly closed. Store in accordance with information listed on the product insert.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available
<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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**Personal Protection**

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body Protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or GEN (EU). Control of environmental exposure: Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	A crystalline Solid		
<b>Odor</b>	Not available		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	300/303C	<b>pH</b>	Not available
<b>Freezing Point</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Boiling Point/Range</b>	679C at 760 mmHg	<b>Vapor Density</b>	Not available
<b>Decomposition temperature</b>	Not available	<b>Viscosity</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	365C	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Not available	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available
		<b>Upper</b>	Not available
<b>Solubility(ies)</b>	'0.5 mg/ml in 1:1 DMF: PBS (pH 7.2); '20 mg/ml in DMSO; '25 mg/ml in DMF;		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Not available
<b>Conditions to Avoid</b>	Not available
<b>Incompatible Materials</b>	Not available
<b>Hazardous Decomposition Products</b>	Not available

**Section 11: Toxicological Information**
**RTECS** UQ4431050

**Acute Toxicity**

The toxicological effects of this product have not been thoroughly studied. Tadalafil - Toxicity Data; Oral TDLO (man): 0.29 mg/kg; Oral TDLO (man): 27.4 mg/kg/32W (intermittent);

**Skin Corrosion/Irritation**

N/A

**Serious Eye Damage/Irritation**

N/A

**Respiratory or Skin Sensitization**

N/A

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

N/A

**Routes of Entry**

Not available.

**Symptoms Related to Exposure**

N/A



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### Potential Health Effects

N/A

### Target Organ(s)

N/A

## Section 12: Ecological Information

### Ecotoxicity

Avoid release into the environment. Run off from fire control or dilution water may cause pollution.

### Persistence and Degradability

Not available

### Bioaccumulative Potential

Not available

### Mobility in Soil

Not available

### Other Adverse Effects

Not available.

## Section 13: Disposal Considerations

### Waste Disposal

Dispose in accordance with local, state and federal regulations.

### Disposal of Container

Dispose of as unused product.

### Other Considerations

Not available.

## Section 14: Transport Information

### DOT Classification

Not a dangerous goods.

## Section 15: Regulatory Information

### Regulations

Not available.

### Other

Not available

## Section 16: Other Information

Not available