



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 Laboratory chemicals, Manufacture of substances
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 C₂₂H₁₉N₃O₄
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

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Consult a physician.
Skin Contact	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.
Eye Contact	Hold eyelid apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
Ingestion	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.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.

Immediate Medical Attention

Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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

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

Appearance	A crystalline Solid		
Odor	Not available		
Odor Threshold	Not available		
Melting Point	301-303	pH	Not available
Freezing Point	301-303	Vapor Pressure	Not available
Boiling Point/Range	679C at 760 mmHg	Vapor Density	Not available
Decomposition temperature	Not available	Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available
Flash Point	365C	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	'0.5 mg/ml in 1:1 DMF: PBS (pH 7.2); '20 mg/ml in DMSO; '25 mg/ml in DMF;		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available
Incompatible Materials	Not available
Hazardous Decomposition Products	Other decomposition products - no data available. In the event of fire: see section 5

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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

Chemical Safety Assessment: For this product a chemical safety assessment was not carried out.

Section 16: Other Information

Eye Irrit.: Eye irritation H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. Skin Irrit.: Skin irritation STOT SE: Specific target organ toxicity - single exposure Further information/Disclaimer: This information is believed to be accurate and represent the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied with respect to such information and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.