

Section 1: Identification

Product Name Clomiphene Citrate USP
Commercial Name Clomid; Clomfeno; Cloramiphene; Clomiphine; Clomivid;
Product Use Not available.
Restrictions On Use To be used as an Active Pharmaceutical Ingredient (API) only.
Product Code 30-1808
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: Reproductive toxicity (Category 2)
CFR 1910.1200
Signal Word WARNING
Hazard Statement(s) May damage the fertility of the unborn child. Suspected of causing cancer. Toxic to aquatic life with long lasting effects.
Pictogram(s) or Symbol(s)


Precautionary Statement(s):

Prevention P201-Obtain special instructions before use. P202-Do not handle until all safety precautions have been read and understood. P281-Use personal protective equipment as required.
Response P308+P313- IF exposed or concerned: Get medical advice/ attention.
Storage P405-Store locked up.
Disposal P501- Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Clomiphene Citrate USP
% By Weight 100
CAS# 50-41-9
Molecular Weight Not available.
Chemical Formula C32H36ClNO3·C6H8O7
Synonym(s) CHLORAMIPHENE * 2-CHLORO-1-(P-(BETA-DIETHYLAMINOETHOXY)PHENYL)-1,2- DIPHENYLETHYLENE CITRATE (1:1) * 2-(P-(2-CHLORO-1,2-DIPHENYLVINYLL) PHENOXY)TRIETHYLAMINE CITRATE (1:1) * CLOMID * CLOMIFENO * CLOMIPHENECITRATE * 2-[4-(2-CHLORO-1,2-DIPHENYL VINYL)-PHENOXY] -TRIETHYLAMINE DIHYDROGEN CITRATE

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Clomiphene Citrate	50-41-9	100		

Section 4: First-Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing and shoes thoroughly, before reuse. Get medical attention. Serious Skin Contact: Wash with a disinfectant soap and cover with an antibacterial cream. Seek medical attention.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	Not available.

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

Use DRY chemical powder or CO₂, water spray, fog or foam.

Unsuitable Extinguishing Media

NOT KNOWN

Products of Combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), halogenated compounds

Firefighters Special Equipment and Precautions

USE WATER SPRAY TO COOL UNOPENED CONTAINERS. Evacuate personnel to a safe area. Firefighter should use self contained breathing equipment.

Section 6: Accidental Release Measures

SMALL SPILL: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. LARGE SPILL: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Ensure adequate ventilation. Avoid dust contamination and inhalation of the spilled material. Environmental Precaution: Prevent further leakage/spillage if save to do so. Prevent from entering drains; do not flush into surface water or sewer system. Wear respirator, chemical safety goggles, rubber boots, and rubber gloves. Employ water fog to disperse vapors if necessary. Ventilate and clean affective area. DO NOT FLUSH INTO SEWER SYSTEM OR DRAINS.

Section 7: Handling and Storage

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Does not contain any hazardous materials with occupation exposure limits established by the region-specific regulatory bodies.
Engineering Controls	Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Gloves. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. 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.

Section 9: Physical and Chemical Properties

Appearance	Solid. (Crystalline powder) White to yellowish color		
Odor	odorless		
Odor Threshold	Not available.		
Melting Point	116.5 -118 °C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Slightly soluble in water and in chloroform; freely soluble in methanol; sparingly soluble in alcohol; insoluble in ether.		
Other	Molecular weight: 598.08		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is stable.
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** YE0875000**Acute Toxicity**

Acute oral toxicity (LD50): 1400 mg/kg [Mouse]. 530 mg/kg (rat). Dermal (LD50): N/A Inhalation (LD50): N/A Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Not available. Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: Dust may cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Nausea, vomiting, constipation or diarrhea, flushing, hot flashes, abdominal discomfort (distention, bloating, pain, or soreness), ovarian enlargement in women, visual blurring and other visual symptoms, headache, dizziness, lightheadness, vertigo, fatigue, nervousness, insomnia, depression, breast discomfort in women, weight loss, abnormal uterine bleeding in women. May cause dermatitis or rash. May cause adverse reproductive effects and birth defects (teratogenic). May cause cancer based on animal test data

Skin Corrosion/Irritation

May cause skin irritation

Serious Eye Damage/Irritation

May cause eye irritation

Respiratory or Skin Sensitization

Dust may cause respiratory tract irritation

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Possible reproductive hazard.

Routes of Entry

Ingestion. Inhalation

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bioaccumulative Potential

The products of degradation are as toxic as the product itself.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

EUROPEAN INFORMATION Toxic R 60 May impair fertility. R 63 Possible risk of harm to the unborn child.

Section 15: Regulatory Information**Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Clomiphene Citrate California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Clomiphene Citrate New Jersey: Clomiphene Citrate

Other

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

Section 16: Other Information

Not available.