

Section 1: Identification

Product Name Haloperidol USP
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.
Product Code 50-1433
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: Acute toxicity, Oral (Category 3) Skin irritation (Category 2) Skin sensitisation (Category 1) Eye irritation
CFR 1910.1200 (Category 2) Reproductive toxicity (Category 2)
Signal Word DANGER

Hazard Statement(s) Toxic if swallowed. Suspected of damaging fertility or the unborn child. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause an allergic skin reaction.

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 P261 Avoid breathing dust/fume/gas/mist/vapours/spray P280 Wear protective gloves/protective clothing/eye protection/face protection
Response	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+ P351+ P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P308+P313 IF exposed or concerned: Get medical advice/attention P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
Storage	P405 Store locked up.
Disposal	P501 Dispose of contents/container in a site approved for chemical and hazardous waste or burned in a specialised burning centre

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Haloperidol
% By Weight 100
CAS# 52-86-8
Molecular Weight 375.90 g/mole
Chemical Formula C₂₁H₂₃ClFNO₂
Synonym(s) 4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Haloperidol	52-86-8	100	Not available.	ORAL (LD50): Acute: 128 mg/kg [rat]. 71 mg/kg [Mouse]. 90 mg/kg [Dog].

Section 4: First-Aid Measures

Inhalation	Allow the victim to rest in a well ventilated area. Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. In severe cases or if symptoms persists, seek medical attention
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Eye Contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention
Symptoms/Effects	
Acute	Not available
Delayed	Not available.
Immediate Medical Attention	Not available.

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

In case of fire use water, chemical type foam, carbon dioxide, dry chemical. Prevent run off of water from entering drains.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

The substance evolves toxic fumes due to the presence of CO, CO₂, NO_x, HCl, HF.

Firefighters Special Equipment and Precautions

Wear: -Gas masks scuba -Complete protective equipment composed by: helmet whit face shield and neck protection, fireproof jacket and trousers with straps around arms, legs and waist. As not expected at this point, refer to the personal protective equipment recommended in Section 8 of this sheet

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep away any ignition source. Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes. Ensure adequate ventilation. Methods and materials for containment and cleaning up: Absorb spillage in earth or sand. Sweep or shovel-up spillage and remove to a safe place. Damp down to avoid dust generation. Environmental precautions: Do not allow to penetrate the ground/soil. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system.

Section 7: Handling and Storage

Precautions for safe handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet. It should always be handled in an efficient fume hood or equivalent system and, if necessary, wear protective equipment. Care should be taken to prevent the chemical from coming into contact with the skin or eyes and from contaminating personal clothing. Conditions for safe storage, including any incompatibilities: Avoid contact with oxidising substances For safety purposes, the substance does not require any special storage conditions. As an indication, the information provided by official monographs are: USP: Preserve in tight, light-resistant containers. EP: Protected from light. For storage of the substance for pharmaceutical use, or for registration purposes please refer to the stability data conducted in-house and reported in the document regulatory "Active Substance Master File" (ASMF or DMF).

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
------------------------	----------------

Engineering Controls

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes and clothing.

Personal Protection

Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Hand 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. Skin and body protection: The type of protective equipment (es. Tyvek suit) must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals, flame retardant antistatic protective clothing. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) with cartridges P1 (inert substances) P2 (harmful substances) P3 (toxic substances). Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	crystalline powder, white or practically white		
Odor	Odorless		
Odor Threshold	Not available.		
Melting Point	152°C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	log P 4.3	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)	insoluble in water.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is stable in usual working conditions
Hazardous Polymerization	Does not occur
Conditions to Avoid	Heat, flames and sparks
Incompatible Materials	Strong oxidising agents. Alkali metals, bases, strong acids, halogens
Hazardous Decomposition Products	The substance evolves toxic fumes due to the presence of CO, CO ₂ , NO _x , HCl, HF.

Section 11: Toxicological Information**RTECS** EU1575000**Acute Toxicity**

Acute Oral LD 50 rat 128 mg/kg Acute Oral LD 50 mouse 71 mg/kg Acute Oral LD 50 dog 71 mg/kg

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Not available.

Symptoms Related to Exposure

May affect central nervous system leading into tremor, rigidity, altered movements. More rarely, may cause depression, insomnia or vertigo. May cause low blood pressure and slow heart rate. May induce dry mouth, blurred vision, excessive salivation. May cause sensitisation by skin contact. May cause photosensitivity and allergic reactions. Risk of carcinogenicity, mutagenicity and narcosis cannot be excluded.

Potential Health Effects

Rapidly absorbed and redistributed following ingestion. Crosses the blood-brain barrier and excreted into breast milk. Toxic if swallowed. Possible risk of harm to the unborn child. Risk of impaired fertility. Irritating to eyes, respiratory system and skin.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available.

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**

Do not empty into drains. Use appropriate containment to avoid environmental contamination. Disposal should be in accordance with local, state or national regulation.

Disposal of Container

The containers and packing materials contaminated with dangerous substances or preparations, have the same treatment products.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

UN number ADR/RID: 2811 IMDG: 2811 IATA: 2811 14.2 UN proper shipping name ADR/RID SOLID ORGANIC TOXIC, N.A.S. (Haloperidol) IMDG TOXIC SOLID, ORGANIC, N.O.S. (Haloperidol) IATA Toxic solid, organic, n.o.s. (Haloperidol) 14.3
Transport hazard class(es) ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1 14.4 Packaging group ADR/RID: III IMDG: III IATA: III 14.5
Environmental hazards ADR/RID: no IMDG: no IATA: no

Section 15: Regulatory Information**Regulations**

Safety, health and environmental regulations/legislation specific for the substance no data available REACH exempted as API (Active Pharmaceutical Ingredient) CLP notified with submission VP864940-03 02-2119453914-33-000

Other

Not available.

Section 16: Other Information

Not available.