

Section 1: Identification

Product Name ClonazepamUSP
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.
Product Code 24-4663
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: STOT SE 3 Repr. 2 Lact., Aquatic Chronic 3
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause harm to breast-fed children. Harmful to aquatic life with long lasting effects.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P263 Avoid contact during pregnancy/while nursing. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response P308 + P313 IF exposed or concerned: Get medical advice/attention.
Storage Not available.
Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Clonazepam USP CIV
% By Weight 100
CAS# 1622-61-3
Molecular Weight 315.7
Chemical Formula C15H10ClN3O3
Synonym(s) Antilepsin, Antilepsin, Clonopin

Mixtures Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Clonazepam USP CIV	1622-61-3	100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	avoid breathing aerosols and dusts that may be generated by handling of the product. Remove the person from the exposed area to fresh air immediately. Get medical advice if adverse symptoms will appear.
Skin Contact	remove contaminated clothes and shoes immediately. Wash affected area with soap or mild detergent and large amount of water until no evidence of substance remains (15-20 minutes). Get medical advice if adverse symptoms will appear.
Eye Contact	wash immediately with large amounts of water or normal saline. Keep eyelid open with the finger. Get medical advice if adverse symptoms will appear.
Ingestion	if swallowed wash mouth with water person is conscious. Treat symptomatically and supportively. Get medical advice if adverse symptoms will appear.

Symptoms/Effects

Acute	rare cases of hypersensitivity are known. Adverse effects may include: drowsiness, dizziness, loss of memory, slurred speech, clumsiness, anxiety, confusion, weakness, constipation, diarrhea, nausea or vomiting, abdominal or stomach pain, change in vision, yellow eyes or skin, mental depression, fast, pounding or irregular heartbeat, change in sexual desire or ability, watering or dry mouth, increased thirst, false sense of well-being, headache, muscle spasm, urinary problems and seizures.
Delayed	may cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause harm to breast-fed children.

Immediate Medical Attention

health surveillance of workers is foreseen in accordance with Article 10 of Directive 98/24/EC, if it is appropriate to the nature of the risk. Flumazenil is a specific benzodiazepine receptor antagonist to reverse sedative effects. Flumazenil may precipitate seizures

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

water spray or regular foam, CO₂, dry powder

Unsuitable Extinguishing Media

Not available

Products of Combustion

thermal decomposition or combustion may generate toxic and hazardous fumes (CO_x, NO_x) and compounds containing chlorine.

Firefighters Special Equipment and Precautions

keep containers cool with water. wear boots, overalls, gloves, eye and face protection and breathing apparatus. Equipment must be conformed with EN criteria and used in highest condition of protection on the basis of the information reported in the previous sub-sections.

Section 6: Accidental Release Measures

For non-emergency personnel: Wear appropriate protective equipment (see Section 8) to prevent contamination of the skin, eyes and personal clothing. In case of fire and/or explosions avoid breathing fumes and vapors. Use a self-contained breathing apparatus (SCBA) and appropriate protective clothing. The fumes can be eliminated by spraying with water. Environmental precautions: Do not let the product enter drainage system, surface and ground-water and soil. Contact local Authorities in case of environmental release. Methods and material for containment and cleaning up Containment procedures: coverage of the discharges. Cleaning up procedures: soak up with inert absorbent material, and clean with plenty of water. Send to the storage waiting for disposal procedures. If a spill occurs on a highway or any public place, steps must be taken to protect the public from any risk.

Section 7: Handling and Storage

Recommendation for handling: handle away from sparkles and flames - sources of ignition; handle in a well ventilated place; avoid contact with incompatible materials; wear suitable Personal Protection Equipment (see section 8); keep the substance away from drains, surface or ground waters. Recommendation for personal hygiene: do not eat, drink and smoke in the working areas; wash hands after handling the substance; remove contaminated clothing and protective equipment before entering eating areas. Condition for safe storage including any incompatibilities: The substance is not classified for any physical and chemical properties and no risk management is foreseen. Other advice: - ventilation requirements: use in a well ventilated place at room temperature; - containers: keep containers tightly closed and with correctly labeled; - specific design of storage rooms: not requested on the base of the classification; - quantity limits for storage: not requested on the base of the classification;

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

N/A

Engineering Controls

The adoption of the most appropriate technical controls is also based on the local Risk Assessment done by the employer in its workplace conditions (use of the substance) when a unique and standardized exposure scenario described in a dossier registered REACH is not available

Personal Protection

Eye and Face protection: safety goggles as for EN 166; facial shield. hands protection: wear protective gloves. Gloves resistant to chemical agents as for the EN 374, parts 1, 2 e 3 and the European Directive 89/89/CEE. The glove material has to be made of rubber or polyethylene impermeable and resistant to the substance. Make the choice of the glove material on consideration of the penetration times, rates of diffusion and degradation. The selection of suitable gloves not only depends on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Other: select the suitable protective equipment based on the activity of use and possible exposure. Wear gauntlets, boots, bodysuit and other devices in accordance with EN 13982. Respiratory protection: dust mask with approved dust filter. Use only devices approved by the Competent Authorities such as NIOSH (USA) and CEN (EU). In the case of brief exposure or minimal exposure use respiratory filter; in case of intensive and sustained exposition wear self-contained breathing. Thermal: not foreseen in the standard use. Assess possible Personal Protection Equipment on the basis of specific uses of the substance.

Section 9: Physical and Chemical Properties

Appearance	Solid. white - yellowish solid (crystalline powder).		
Odor	Faint		
Odor Threshold	N/A		
Melting Point	273.5 °C	pH	N/A
Freezing Point	N/A	Vapor Pressure	1.27 x 1010mm Hgat25°Cro
Boiling Point/Range	Not available.	Vapor Density	N/A
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	2.41	Evaporation Rate	N/A
Flash Point	MIE=Minimum Ignition Energ	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	100 mg/L in water. slightly soluble in chloroform, acetone. Slightly soluble in methanol and ethanol. Almost insoluble in ether.		
Other	N/A		

Section 10: Stability and Reactivity

Reactivity	Stable in normal conditions of storage.
Chemical Stability	The substance is stable at the normal condition of temperature and pressure and if stored in closed containers in well ventilated and cool place.
Hazardous Polymerization	Under recommended conditions of storage and use, no hazardous reactions occur.
Conditions to Avoid	Exposure to light and ignition sources.
Incompatible Materials	Acid and basic compounds.
Hazardous Decomposition Products	Thermal decomposition or combustion may include toxic and hazardous fumes of COx, NOx and compounds containing chlorine.

Section 11: Toxicological Information

RTECS	N/A
Acute Toxicity	- Oral: LD50 rat > 15000 mg/kg 5> LD50 mouse > 2000 mg/kg 6) - Dermal:data not available in the literature search carried out. - Inhalation: data not available in the literature search carried out.
Skin Corrosion/Irritation	N/A
Serious Eye Damage/Irritation	N/A
Respiratory or Skin Sensitization	N/A
Germ Cell Mutagenicity	N/A
Carcinogenicity	N/A
Reproductive Toxicity	N/A

Routes of Entry

- Inhalation: Inhalation of the product may cause irritation to the nose and throat, with cough and sore throat. May cause drowsiness or dizziness. Suspected of damaging the unborn child. - Ingestion: may cause drowsiness or dizziness. Suspected of damaging the unborn child. - Skin contact: prolonged or repeated skin contact may cause redness and irritation, - Eye contact: may cause eye irritation. - Via lactation: may cause harm to breast-fed children.

Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s) single exposure: may cause drowsiness or dizziness.

Section 12: Ecological Information**Ecotoxicity**

Fish: LC0 (Rainbow trout) = 1000 mg/l/96h Daphnia niagna: EC50 30.3 mg/l/48h Algae: data not available in the literature search carried out.

Persistence and Degradability

Not biodegradable (0% in 21 days)

Bioaccumulative Potential

LogPow = 2.41 (2)

Mobility in Soil

N/A

Other Adverse Effects

N/A

Section 13: Disposal Considerations**Waste Disposal**

The substance must be incinerated in a suitable incinerator authorized by the Competent Authorities. Should never be disposed through wastewater.

Disposal of Container

N/A

Other Considerations

N/A

Section 14: Transport Information**DOT Classification**

The substance is not classified in accordance with ADR/RID, IMDG, IATA and DOT regulations.

Section 15: Regulatory Information**Regulations**

Council Directive 89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work and following amendment and National reinforcements. Council Directive 89/686/EEC of 21 December 1989 on the approximation of the laws of the Member States relating to the personal protective equipment. Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) Official Journal L 131, 05/05/1998 P. 0011 - 0023. Regulation (EC) no 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals.

Other

N/A

Section 16: Other Information

N/A