

Section 1: Identification

Product Name	Diazepam USP
Commercial Name	Diazepam CIV
Product Use	Specified quality tests and assay use only.
Restrictions On Use	Not for use as a drug. Not for administration to humans or animals.
Product Code	24-1014
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 and dermal): Category 3 Reproductive toxicity: Category 2 Specific target organ toxicity, single exposure: Category 3 narcotic effects

CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Toxic if swallowed. Toxic in contact with skin. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Diazepam
% By Weight	100
CAS#	439-14-5
Molecular Weight	284.75 g/mole
Chemical Formula	C16-H13-Cl-N2-O
Synonym(s)	2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro-1-methyl-5-phenyl

Mixtures	CAS#	% by Weight	TLV/PEL	LC50/LD50
Diazepam	439-14-5	100	Not available	Oral (LD50): Acute: 249 mg/kg (Rat). 48 mg/kg (Mouse). 328 mg/kg (Rabbit) DERMAL(LD50): Acute: 800 mg/kg (Mouse)

Section 4: First-Aid Measures

Inhalation	Move the affected person from the area and make it stretch, if breathing is difficult, give oxygen, if breathing is absent use mechanical ventilation. Consult a physician in symptoms appear
Skin Contact	Remove contaminated clothing and wash thoroughly with water. Consult a physician in symptoms appear.
Eye Contact	Wash immediately with plenty of water for at least 15 minutes taking care to keep the eyelids separated the eye, contact lens should be removed only by experienced personnel. Consult a physician in symptoms appear.
Ingestion	Do not induce vomiting unless on the advice of medical personnel, in case of vomiting tilt the patient forward or put it on the side with head facing down to keep the airways open and prevent aspiration. Don't give anything by mouth to people who give signs of drowsiness or numbness, or who are about to lose consciousness. Consult a physician in symptoms appear.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.

Immediate Medical Attention

Remove contaminated clothes. In case of unconsciousness move the person on his side to fresh air in a stable position. First aiders must take care first of all of their self-protection

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

Water spray, foam, dry chemical, carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

When heated to decomposition or under fire conditions it could be emitted toxic fumes like carbon monoxide or other typical organic combustion products

Firefighters Special Equipment and Precautions

Fire fighters should use self-contained breathing apparatus and protective clothing

Section 6: Accidental Release Measures

Small Losses: Remove any source of ignition, stopping the source of the spillage, avoid contact with skin or inhalation, use PPE (see section 8), clean up immediately using adsorbent materials. Collected material should be placed in proper container, labeled and sent to for final disposal. Large losses: Report immediately the incident and remove of unnecessary personnel from the area. Stop the spread and isolate the spilled material; Isolate sewers discharging to superficial waters and/or segregate any water runoff into collection basins or tanks to facilitate processing or disposal. The personnel involved in containment and cleaning should wear appropriate personal protective equipment to minimize exposure. The area must be thoroughly cleaned using adsorbent materials. Collected material should be placed in proper container, labeled and sent to for final disposal.

Section 7: Handling and Storage

Handling: The substance must be handled in ventilated environment or with the appropriate local air extraction; minimize dust formation and avoid accumulation on surfaces; use antistatic equipment and clothing and prevent dust contact with possible ignition sources; avoid contact with eyes, skin and clothing. Remove contaminated clothes and wash thoroughly after handling. Storage: Use container tightly closed and resistant, away from moisture and sunlight. Avoid contact with air and light. Properly label containers in case of pouring and clean external container surfaces with proper detergents and /or solvents.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Control band (o OEL) 10 micrograms<OEB<500 micrograms (FIS internal Occupational Exposure Band, category 2)
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Engineering Controls

Technical controls and ventilation: In Production or re-packaging plants: use general ventilation systems, or closed systems to ensure the isolation of the substance from the working personnel. Can be provided additional security according to specific "control band" established for the substance. Laboratory: no general ventilation required for small quantities, low handling time and while using good laboratory practices. It's always recommended to use fume cupboard or cabinet.; Can be provided additional security according to specific "control band" established for the substance.

Personal Protection

Protection for airways: Use protective mask with P2 or P3 type dust filter (EN14387). If the substance is dissolved in organic solvent and manipulated in an open environment in significant quantities use an appropriate filter for chemicals (A type for boiling temperature > 65°C or Ax type for boiling temperature < 65°C) or ABEK type if simultaneous presence of others substances like, inorganic vapors, ammonia, etc Protection for eyes / face: Safety glasses goggles (EN 166), face shield or other full-face protection if it is required also airways protection. Protection for skin /hands: Use chemical resistant gloves (EN374) with material compatible with solvent in which the substance is dissolved; the actual permeation time through the gloves and their life can be affected by mode of use, temperature and substance quantities handled Other protection:: In production or packaging plants is recommended full-body suite like Tyvek® type, resistant to penetration by solid particles sprayed (EN ISO 13982-2), low intensity sprays (EN 13034 and EN468) and antistatic (EN 1149).

Section 9: Physical and Chemical Properties

Appearance	crystalline white powder		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	131-135°C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	1,90 E-09 (estimated)
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)	soluble in ethanol; very soluble in chloroform		
Other	Explosive properties Kst = 223m bar/s Explosion Class 2 Pmax = 8.4 bar (at 1000 g/mc) MIE with inductance (1 mH) = 1-3 mJ Resitivity = 9.38×10^{14} Ohm LIT = no flame, decomposition from 175°C MIT = > 5 00°C		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Not available.
Hazardous Polymerization	Not available.
Conditions to Avoid	Not available
Incompatible Materials	Not available.
Hazardous Decomposition Products	Vedere sezione 5

Section 11: Toxicological Information
RTECS DF1575000

Acute Toxicity

LD50 oral/rat 249 mg/Kg (drugs in Japan 1995), 352 mg/Kg (SAX's), 710 (merck index), 1517 (IARC - average) - LD50 dermal/mouse 800 mg/kg

Skin Corrosion/Irritation

slightly irritating

Serious Eye Damage/Irritation

slightly irritating

Respiratory or Skin Sensitization

possible

Germ Cell Mutagenicity

Negative: data reported in literature are not conclusive for classification

Carcinogenicity

Negative: data reported in literature are not conclusive for classification

Reproductive Toxicity

Oral-Woman TDLO: 22,800 mg/kg (25-36W preg): Reproductive effects Intravenous-Woman TDLO: 400 mg/kg (female 39W post): Teratogenic effects

Routes of Entry

Poison by ingestion, parenteral, subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by skin contact

Symptoms Related to Exposure

Human systemic effects: dermatitis, change in cardiac rate, somnolence, respiratory changes, visual field changes, change in motor activity, muscle contraction, ataxia.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

- strongly toxic for algae (*Scenedesmus* (=Desmodesmus) *nsubspicatus*): ErC50 (72 h) 3.11 mg/l (average measured concentration) NOEC (72 h) 0.035 mg/l (average measured concentration) - strongly toxic for planktonic crustaceans (*Daphnia magna*): EC50 (24 h) 4.3 mg/l - moderately toxic for fish (rainbow trout): LC50 (96 h) 84 mg/l ;NOEC (96 h) 50 mg/l - barely toxic for microorganisms (activated sludge) NOEC > 100 mg/l

Persistence and Degradability

not inherently biodegradable partial primary degradation evidenced by HPLC:< 5 % BOD/ThOD, 28 d ; < 5 % BOD/ThOD, 84 d (MITI Test II, OECD No. 302 C)

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Avoid material contact with ground or water (do not dispose in sewer systems). Small quantities can be disposed of with same laboratory procedures: the product should be stored in closed containers and disposed of preferably by burning. Containers should be sent to appropriate treatment and final disposal according to local regulations.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

Not available.