

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification**Product Name** Ondansetron Hydrochloride USP Dihydrate**Commercial Name** Not available.**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 50-4320**Company** PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300**Section 2: Hazard(s) Identification****OSHA Haz Com:** Not available.**CFR 1910.1200****Signal Word** DANGER**Hazard Statement(s)** Toxic if swallowed.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention	Not available.
Response	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Storage	Not available.
Disposal	Not available.

Section 3: Composition/Information on Ingredients**Substance/Mixture** Substance**Components** (3RS)-9- Methyl -3- [(2- methyl -1 11 imidazol -1 -yl) methyl]-1,2,3,9- tetrahydro - 4H- carba7ol -4 -one hydrochloride dihydrate**% By Weight** 100**CAS#** 103639-04-9**Molecular Weight** 365.85 g/mol**Chemical Formula** C18H19N3O.HCl.2H2O**Synonym(s)** 4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-(2-methyl-1 H-imidazol-1-yl)methyl-, monohydrochloride, dihydrate**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
(3RS)-9- Methyl -3- [(2- methyl -1 11 imidazol -1 -yl) methyl]-1,2,3,9- tetrahydro - 4H- carba7ol -4 -one hydrochloride dihydrate	103639-04-9	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. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Not available.	

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Methods and materials for containment & cleaning up; Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Storage: Preserve in tight, light resistant containers. Store at 25°C, excursions permitted between 15°C and 30°C.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product
Personal Protection	Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards. Skin protection: Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards.

Section 9: Physical and Chemical Properties

Appearance	Solid.		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	Not available.	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)	Not available.		
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	Strong oxidizing agents
Hazardous Decomposition Products	Carbon oxides. Nitrogen oxides (NOx), Hydrogen chloride gas

Section 11: Toxicological Information**RTECS** FE6375500**Acute Toxicity**

LD50 Oral - Rat - 94.8 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Other.

Behavioral:Tremor. BehaviorakConvulsions or effect on seizure threshold.

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Toxicity

Not available

Routes of Entry

Not available.

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Symptoms Related to Exposure

Not available

Potential Health Effects

Not available.

Target Organ(s)

Repeated dose toxicity - Rat - Oral - No observed adverse effect level - 1 mg/kg

Section 12: Ecological Information**Ecotoxicity**

Toxicity to fish: static test EC50 - Oncorhynchus mykiss (rainbow trout) - 6.5 mg/l - 96 h NOEC - Oncorhynchus mykiss (rainbow trout) - 2.6 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: static test EC50 - Daphnia (water flea) - 28 mg/l - 48 h static test NOEC - Daphnia (water flea) - 16 mg/l - 48 h Toxicity to algae: IC50 - Algae - 0.87 mg/l - 72 h NOEC - Algae - 0.31 mg/l - 72 h Toxicity to bacteria IC50 - other microorganisms - > 1,000 mg/l - 3 h

Persistence and Degradability

Biodegradability: aerobic - Exposure time 28 d Result: 18.9 % - Not readily biodegradable. (OECD Test Guideline 301)

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Disposal of Container

Dispose of as unused product.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

UN number ADR/RID: 281 1 IMDG: 281 1 IATA: 2811 UN proper shipping name ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (Ondansetron hydrochloride dihydrate) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (Ondansetron hydrochloride dihydrate) IATA: Toxic solid, organic, n.o.s. (Ondansetron hydrochloride dihydrate) Transport hazard class(es) ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1 Transport hazard class(es) label \ TOXIC / Packaging group ADR/RID: III IMDG: III IATA: III Environmental hazards No

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

Not available.