

### Section 1: Identification

<b>Common Name/Trade Name</b>	ONDANSETRON HCL DIHYDRATE USP	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-, monohydrochloride, (+/-)-, dihydrate	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

### Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Acute toxicity, Oral (Category 3), Serious eye damage/eye irritation (Category 1)	
<b>Signal Word</b>	Danger	
<b>Hazard Statement(s)</b>	H301 H318	Toxic if swallowed Causes serious eye damage
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	P264 P280 P301+P310 P305+P351+P338 P310 P330 P405 P501	Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Store locked up. Dispose of contents/container to an approved waste disposal plant.
<b>Hazards Not Otherwise Classified</b>	No data available	
<b>Ingredient(s) with Unknown Toxicity</b>	No data available	

### Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-, monohydrochloride, (+/-)-, dihydrate
<b>Common Name</b>	Ondansetron Hydrochloride
<b>CAS Number</b>	103639-04-9
<b>Impurities and/or Stabilizing Additives</b>	No data available

### Section 4: First Aid Measures

<b>General Advice</b>	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.
<b>If Inhaled</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>In Case of Skin Contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>In Case of Eye Contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>If Swallowed</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most Important Symptoms and Effects</b>	Corrosive effects.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2.
<b>Special Hazards Arising From the Substance/Mixture</b>	No unusual fire explosion hazards noted.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to safe area. Firefighters should use a self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazard of other involved materials.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective
<b>Methods and Materials Used for Containment</b>	Sweep up or vacuum up spillage and collect in suitable containers for disposal. Avoid the generation of dust during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.
<b>Cleanup Procedures</b>	Sweep up or vacuum up spillage and collect in suitable containers for disposal. Avoid the generation of dust during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	As a general rule, when handling chemicals, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Use of a designated area is recommended for handling of potent materials.
<b>Conditions for Safe Storage</b>	Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Material Ondansetron Hydrochloride (CAS 103639-04-9) Type: TWA Value: 30 micrograms/m3
<b>Appropriate Engineering Controls</b>	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures. Handle in accordance with good industrial hygiene and safety practices.
<b>PPE - Eye/Face Protection</b>	Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g. bearing the ANSI Z87 or CSA Stamp) is preferred. Maintain eyewash facilities in the work area.
<b>PPE - Skin Protection</b>	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
<b>PPE - Body Protection</b>	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.
<b>PPE - Respiratory Protection</b>	Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Solid, Powder Colour: White to off-white powder.
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	4.6 - 4.7 (10% suspension)
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	422.6 - 424.4 °F (217 - 218 °C)
<b>Solubility</b>	Solubility in water Slightly soluble.
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	0.8
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No reactivity hazards known.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	NOx. Cl-. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	LD50 Oral Dog > 45 mg/kg Rat 95 mg/kg
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	No data available
<b>Acute Toxicity - Eye</b>	Causes serious eye damage
<b>Skin Corrosion/Irritation</b>	Due to lack of data the classification is not possible.
<b>Serious Eye Damage/Irritation</b>	Causes serious eye damage
<b>Respiratory or Skin Sensitization</b>	Due to lack of data the classification is not possible.
<b>Germ Cell Mutagenicity</b>	Due to lack of data the classification is not possible.
<b>Carcinogenicity IARC</b>	This material is not considered to be a carcinogen by IARC.
<b>Carcinogenicity ACGIH</b>	No data available
<b>Carcinogenicity NTP</b>	This material is not considered to be a carcinogen by NTP.
<b>Carcinogenicity OSHA</b>	This material is not considered to be a carcinogen by OSHA.
<b>Reproductive Toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific Target Organ Toxicity - Single Exposure</b>	Due to lack of data the classification is not possible.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Due to lack of data the classification is not possible.
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

<b>Toxicity</b>	No ecotoxicity data noted for the ingredients.
<b>Persistence and Degradability</b>	No data available
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
<b>Waste Treatment Methods Packaging</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	
<b>UN Proper Shipping Name</b>	
<b>Transport Hazard Class(es)</b>	
<b>Packaging Group</b>	
<b>Environmental Hazards</b>	No data available

## Section 15: Regulatory Information

US federal regulations CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely SARA 302 Extremely: No SARA 311/312 Hazardous chemical: No Other federal regulations: Safe Drinking Water Act (SDWA) Not regulated. Food and Drug Administration: (FDA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## Section 16: Other Information

<b>Additional Information</b>	
<b>Prepared By</b>	Lisa Russell
<b>Revision Date</b>	01/10/2019 12:08

### Disclaimer

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