


## Section 1: Identification

<b>Common Name/Trade Name</b>	TRAMADOL HYDROCHLORIDE 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>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>	
<b>Product Synonym(s)</b>	(1RS, 2RS) -2-[(Dimethylamino) methyl]-1-(3-methoxyphenyl) cyclohexanol hydrochloride.	
<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), Acute toxicity, Oral (Category 4), Serious eye damage/eye irritation (Category 2A), Specific target organ toxicity, single exposure; Narcotic effects (Category 3), Aquatic chronic toxicity (Category 2)	
<b>Signal Word</b>	Danger	
<b>Hazard Statement(s)</b>	H301 Toxic if swallowed H302 Harmful if swallowed H319 Causes serious eye irritation H336 May cause drowsiness or dizziness H411 Toxic to aquatic life with long lasting effects	
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. P301+P312 IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P337+P313 If eye irritation persists Get medical advice/attention. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 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>	(1RS, 2RS) -2-[(Dimethylamino) methyl]-1-(3-methoxyphenyl) cyclohexanol hydrochloride
<b>Common Name</b>	Tramadol hydrochloride
<b>CAS Number</b>	36282-47-0
<b>Additional Ingredient Information</b>	N/A
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	In case of reactions described in hazards identification / toxicological information or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison center. Show the label and this safety data sheet.
<b>If Inhaled</b>	Remove to fresh air. If breathing becomes difficult, call a physician. If Breathing stops, give oxygen.
<b>In Case of Skin Contact</b>	Flush with copious amounts of water and soap for at least 15 minutes. Remove contaminated clothing and shoes.
<b>In Case of Eye Contact</b>	Assure adequate flushing by separating the eyelids with fingers. Flush with copious amounts of water for at least 15minutes.
<b>If Swallowed</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
<b>Most Important Symptoms and Effects</b>	Not available.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Suitable extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam. Water spray. Avoid spill into drains, surface and groundwater and soil. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions. Risk of dust explosion cannot be excluded. For safety reason unsuitable extinguishing media: Water with full jet. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Hazards Arising From the Substance/Mixture</b>	This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.
<b>Special PPE and/or Precautions for Firefighters</b>	As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Personal related precautions: Stop leak and eliminate all sources of ignition (no smoking, sparks or flames). Fence or cordon the affected area and do not allow individuals to touch or walk through the spilled material unless wearing appropriate protective clothing. Wear protective clothing and equipment consistent with the degree of hazard. Vapor-suppressing foam or water spray may be used to control vapors as appropriate.
<b>Methods and Materials Used for Containment</b>	Prevent entry into waterways, sewers, surface drainage systems and poorly ventilated areas.
<b>Cleanup Procedures</b>	Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Avoid use with incompatible materials.
<b>Conditions for Safe Storage</b>	Preserve in tight containers, and store at controlled room temperature.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available.
<b>Appropriate Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. General protective and Hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Do not drink, eat and smoke while working. Avoid contact with the eye and skin. Keep away from food stuffs, feed and beverages.
<b>PPE - Eye/Face Protection</b>	Safety glasses or goggles
<b>PPE - Skin Protection</b>	Protective coveralls should be worn. The sleeves should either be taped or have gloves worn over them to prevent material from contacting the skin.
<b>PPE - Body Protection</b>	Protective coveralls should be worn. The sleeves should either be taped or have gloves worn over them to prevent material from contacting the skin.
<b>PPE - Respiratory Protection</b>	Use a NIOSH-approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	White or almost white crystalline 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>	5 - 6 (1% aqueous solution).
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	180°C to 184°C
<b>Solubility</b>	Freely soluble in water and in methanol, very slightly soluble in acetone.
<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>	Log Pow 3.01 (calculated)
<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 data available
<b>Chemical Stability</b>	This product is expected to be stable.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Avoid exposure to heat.
<b>Incompatible Materials</b>	Excess, incompatible materials.
<b>Hazardous Decomposition Products</b>	When heated to decomposition, material emits toxic fumes of NO <sub>x</sub> and HF. Emits toxic fumes under fire conditions.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	>50 but ≤300 mg/kg
<b>Acute Toxicity - Inhalation</b>	>2.0 but ≤4.0 mg/L
<b>Acute Toxicity - Dermal</b>	>200 but ≤1000 mg/kg
<b>Acute Toxicity - Eye</b>	No data available. Causes serious eye irritation.
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	Causes serious eye damage
<b>Respiratory or Skin Sensitization</b>	May cause allergic skin reactions.
<b>Germ Cell Mutagenicity</b>	No data available. Risk of carcinogenicity cannot be excluded.
<b>Carcinogenicity IARC</b>	No data available. Risk of carcinogenicity cannot be excluded.
<b>Carcinogenicity ACGIH</b>	No data available. Risk of carcinogenicity cannot be excluded.
<b>Carcinogenicity NTP</b>	No data available. Risk of carcinogenicity cannot be excluded.
<b>Carcinogenicity OSHA</b>	No data available. Risk of carcinogenicity cannot be excluded.
<b>Reproductive Toxicity</b>	No data available. No data available. Risk of reproductive toxicity cannot be excluded. Crosses the blood-brain barrier and the placenta barrier.
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Persistence and Degradability</b>	No data available.
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	Solubility: This material contains an active pharmaceutical ingredient that for environmental fate predictions has solubility in methanol. Volatility: This material contains an active pharmaceutical ingredient that will not readily enter into the air from hard surfaces or from a container of the pure substance. Adsorption: This material contains an active pharmaceutical ingredient that is likely to adsorb to soil or sediment. It may persist in soil or sediment if released directly to the environment. Partitioning: This material contains an active pharmaceutical ingredient with octanol/water partition coefficient data that suggests that for environmental fate predictions the active pharmaceutical ingredient will not have the tendency to distribute into fats.
<b>Other Adverse Effects</b>	No data available.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of waste in accordance with all applicable Federal, State, and local laws. Disposal must be made according to official regulations.
<b>Waste Treatment Methods Packaging</b>	No data available
<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>	2811
<b>UN Proper Shipping Name</b>	TOXIC SOLID, ORGANIC, N.O.S. (TRAMADOL HYDROCHLORIDE)
<b>Transport Hazard Class(es)</b>	6.1
<b>Packaging Group</b>	III
<b>Environmental Hazards</b>	Marine Pollutant: Yes

## Section 15: Regulatory Information

HMIS: Health 2, Fire 1, Reactivity 0, Personal Protection E. NFPA: Health 2, Flammability 1, Reactivity 0.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	09/30/2021 09:24

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