

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

**Product Name:** **Dicyclomine Hydrochloride Injection, USP**  
**Product Use/Restriction:** Single dose vial.  
**Manufacturer Name:** Caplin Steriles Limited  
**Address:** Unit IV, 895 & 897, Guruvaraja Kandigai Village, Gummidipoondi, Thiruvallur District - TN 601201 India  
**General Phone Number:** +91-44-67901901 /1902/1903  
**Customer Service Phone Number:** Mr. Udayaraj Kadri (Head-QA) – Mobile: +91-9524012888  
**Emergency Phone Number:** Mr. Harikishan (Head - RA) – Mobile: +91-9095407888  
**Distributor Name:** Fresenius Kabi USA, LLC  
**Address:** Three Corporate Drive Lake Zurich, Illinois 60047  
**General Phone Number:** (847) 550-2300  
**Customer Service Phone Number:** (888) 386-1300  
**Health Issues Information:** (800) 551-7176  
**SDS Creation Date:** May 30, 2019  
**SDS Revision Date:** May 30, 2019

### SECTION 2 : HAZARD(S) IDENTIFICATION

**GHS Class:** Not classified  
**Emergency Overview:** This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert.  
**Route of Exposure:** Inhalation Ingestion Eye contact Skin Absorption. Injection.  
**Potential Health Effects:**  
**Eye:** Contact with eyes may cause irritation.  
**Skin:** May cause skin irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** May cause irritation.  
**Signs/Symptoms:** None expected under normal conditions of use. Common clinical side effects include: dry mouth, dizziness, blurred vision, nausea, light-headedness, drowsiness, weakness, and nervousness.  
**Aggravation of Pre-Existing Conditions:** Exposure may aggravate pre-existing eye, skin, or respiratory conditions

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Dicyclomine Hydrochloride - (1,1'-Bicyclohexyl]-1-carboxylic acid, 2(diethylamino)ethyl ester, hydrochloride)	67-92-5	1 %	
Water for Injection	7732-18-5	60 - 100 %	

### SECTION 4 : FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.  
**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.  
**Ingestion:** If conscious, flush mouth out with water immediately. Call a physician or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

## SECTION 5 : FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not established.
<b>Flash Point Method:</b>	Not established.
<b>Auto Ignition Temperature:</b>	Not established.
<b>Lower Flammable/Explosive Limit:</b>	Not established.
<b>Upper Flammable/Explosive Limit:</b>	Not established.
<b>Fire Fighting Instructions:</b>	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
<b>Extinguishing Media:</b>	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Hazardous Combustion Byproducts:</b>	Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ). Hydrogen chloride. Chlorine oxides. Halogenated Compounds.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid personal contact and breathing vapors or mists. Use proper personal protective equipment as listed in Section 8.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Methods for containment:</b>	Contain spills with an inert absorbent material such as soil, sand or oil dry.
<b>Methods for cleanup:</b>	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. After removal, flush spill area with soap and water to remove trace residue.

## SECTION 7 : HANDLING and STORAGE

<b>Handling:</b>	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When handling pharmaceutical products, avoid all contact and inhalation of vapor, mists and/or fumes. Use with adequate ventilation. Use only in accordance with directions.
<b>Storage:</b>	Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].
<b>Work Practices:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

<b>Engineering Controls:</b>	General ventilation is sufficient if this product is being used in a controlled medical setting (clinic, hospital, medical office) for its sole intended parenteral (injection) purpose. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls including use of a biosafety cabinet / fume hood to control airborne levels below recommended exposure limits.
<b>Eye/Face Protection:</b>	Chemical splash goggles. Wear a face shield also when splash hazard exist.
<b>Skin Protection Description:</b>	Protective laboratory coat, apron, or disposable garment recommended.
<b>Hand Protection Description:</b>	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data. Nitrile rubber or natural rubber gloves are recommended.
<b>Respiratory Protection:</b>	No personal respiratory protective equipment is normally required when this product is being used/administered by a licensed healthcare practitioner (i.e. an end-user such as a clinician / doctor / nurse) for its sole intended parenteral (injection) purpose in a controlled medical setting. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances. Consult the NIOSH web site ( <a href="http://www.cdc.gov/niosh/npptl/topics/respirators/">http://www.cdc.gov/niosh/npptl/topics/respirators/</a> ) for a list of respirator types and approved suppliers.
<b>Other Protective:</b>	Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

### EXPOSURE GUIDELINES

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid solution.
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Color:	Clear, colorless
Boiling Point:	Not established.
Melting Point:	Not established.
Solubility:	No data available.
Vapor Density:	Not established.
Vapor Pressure:	Not established.
Percent Volatile:	Not established.
pH:	3.5 - 5.5
Molecular Formula:	Mixture
Molecular Weight:	Variable.
Flash Point:	Not established.
Flash Point Method:	Not established.
Auto Ignition Temperature:	Not established.

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Protect from freezing.
Incompatible Materials:	Strong acids, strong bases, strong oxidizers. Reducing agents. Water reactive materials.

## SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity: Eye, skin, and respiratory irritation may occur.

Acute Effects: Eye, skin, and respiratory irritation may occur.

Chronic Effects: None known.

**Dicyclomine Hydrochloride - (1,1'-Bicyclohexyl]-1-carboxylic acid, 2(diethylamino)ethyl ester, hydrochloride)** :

Ingestion: LD50-Oral-Rat 1290 mg/kg

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Stability: No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

## SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

DOT UN Number: Not Regulated.

IATA Shipping Name: Non regulated.

IATA UN Number: Non regulated.

IMDG UN Number : Non regulated.

IMDG Shipping Name : Non regulated.

## SECTION 15 : REGULATORY INFORMATION

## SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1  
HMIS Fire Hazard: 1  
HMIS Reactivity: 1  
HMIS Personal Protection: X

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