MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Material Ceftriaxone for Injection USP

250 mg, 500 mg, 1 g and 2 g

Manufacturer Lupin Limited

Mandideep 462 046

INDIA.

Distributor Lupin Pharmaceuticals, Inc.

Harborplace Tower, 21st Floor 111, South Calvert Street Baltimore, MD 21202

United States

Tel. 001-410-576-2000 Fax. 001-410-576-2221

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients CAS

Ceftriaxone sodium USP 73384-59-5

3. HAZARD IDENTIFICATION

Fire and Explosion Assume that this product is capable of sustaining combustion.

Health Ceftriaxone for injection is contraindicated in patients with known allergy

to the cephalosporin class of antibiotics.

Environment No information is available about the potential of this product to produce

adverse environmental effects.

4. FIRST AID MEASURES

Ingestion If conscious, give water to drink and induce vomiting. Do not attempt to

give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. Obtain medical

attention.

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Inhalation Move individual to fresh air. Obtain medical attention if breathing

difficulty occurs. If not breathing, provide artificial respiration assistance.

Skin Contact Remove contaminated clothing and flush exposed area with large

amounts of water. Wash all exposed areas of skin with plenty of soap

and water. Obtain medical attention if skin reaction occurs.

Eye Contact Flush eyes with plenty of water. Get medical attention.

NOTES TO HEALTH PROFESSIONALS

OVERDOSAGE In the case of overdosage, drug concentration would not be reduced by

hemodialysis or peritoneal dialysis.

There is no specific antidote. Treatment of overdosage should be

symptomatic.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards

Assume that this product is capable of sustaining combustion.

Extinguishing Media Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Firefighting Procedures For single units (packages): No special requirements needed. For

larger amounts (multiple packages/pallets) of product: Since toxic, corrosive or flammable vapors might be evolved from fires involving this product and associated packaging, self-contained breathing apparatus

and full protective equipment are recommended for firefighters.

Hazardous Combustion Products Hazardous combustion or decomposition products are expected when

the product is exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective clothing and equipment consistent with the degree of

hazard.

Environmental Precautions For large spills, take precautions to prevent entry into waterways,

sewers, or surface drainage systems.

Clean-up Methods Collect and place it in a suitable, properly labeled container for recovery

or disposal.

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7. HANDLING AND STORAGE

Handling No special precautions are necessary when handling packed product.

In case of accident, avoid breathing dust from crushed tablets. Avoid

contact with skin and eyes. Wash hands after use.

Storage Ceftriaxone for injection sterile powder should be stored at 20° to 25°C

(68° to 77°F) [See USP Controlled Room Temperature] and protected from light. After reconstitution, protection from normal light is not necessary. The color of solutions ranges from light yellow to amber, depending on the length of storage, concentration and diluent used.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear appropriate clothing to avoid skin contact. Wash hands and arms thoroughly after handling.

9. PHYSICAL AND CHEMICALS PROPERTIES

Physical Form

Ceftriaxone for injection USP is supplied as a sterile crystalline powder in glass vials. The following packages are available:

Vials containing 250 mg equivalent of ceftriaxone.

Box of 1 (NDC 68180-611-01) and box of 10 (NDC 68180-611-10).

Vials containing 500 mg equivalent of ceftriaxone.

Box of 1 (NDC 68180-622-01) and box of 10 (NDC 68180-622-10).

Vials containing 1 g equivalent of ceftriaxone.

Box of 1 (NDC 68180-633-01) and box of 10 (NDC 68180-633-10).

Vials containing 2 g equivalent of ceftriaxone.

Box of 10 (NDC 68180-644-10).

NOTE: Ceftriaxone for injection USP sterile powder should be stored at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature] and protected from light.

10. STABILITY AND REACTIVITY

Stable under recommended storage conditions.

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11. TOXICOLOGICAL INFORMATION

Carcinogenesis Considering the maximum duration of treatment and the class of the

compound, carcinogenicity studies with ceftriaxone in animals have not been performed. The maximum duration of animal toxicity studies was 6

months.

Mutagenesis Genetic toxicology tests included the Ames test, a micronucleus test

and a test for chromosomal aberrations in human lymphocytes cultured *in vitro* with ceftriaxone. Ceftriaxone showed no potential for mutagenic

activity in these studies.

Impairment of Fertility Ceftriaxone produced no impairment of fertility when given

intravenously to rats at daily doses up to 586 mg/kg/day, approximately

20 times the recommended clinical dose of 2 g/day.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATION

Incinerate in an approved facility. Follow all federal state and local environmental regulations.

14. TRANSPORT INFORMATION

IATA/ICAO - Not Regulated

IATA Proper shipping Name : N/A
IATA UN/ID No : N/A
IATA Hazard Class : N/A
IATA Packaging Group : N/A
IATA Label : N/A

IMDG - Not Regulated

IMDG Proper shipping Name:N/AIMDG UN/ID No:N/AIMDG Hazard Class:N/AIMDG Flash Point:N/AIMDG Label:N/A

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DOT - Not Regulated

DOT Proper shipping Name : N/A
DOT UN/ID No : N/A
DOT Hazard Class : N/A
DOT Flash Point : N/A
DOT Packing Group : N/A
DOT Label : N/A

15. REGULATORY INFORMATION

No information available.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.

Lupin shall not be held liable for any damage resulting from handling or from contact with the above product. Lupin reserves the right to revise this MSDS.

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