LUPIN LIMITED SAFETY DATA SHEET

Section 1: Identification

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Material Rabeprazole Sodium Delayed-Release Tablet

20 mg

Manufacturer Lupin Limited

Goa - 403722

India

Distributor Lupin Pharmaceuticals, Inc.

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

United States

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

Section 2: Hazard(s) Identification

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Fire and Explosion Expected to be non-combustible.

Health Rabeprazole sodium delayed-release tablets are contraindicated in

patients with known hypersensitivity to rabeprazole, substituted benzimidazoles, or to any component of the formulation. Hypersensitivity reactions may include anaphylaxis, anaphylactic shock, angioedema, bronchospasm, acute interstitial nephritis, and

urticarial.

PPIs, including rabeprazole sodium delayed-release tablets, are

contraindicated with rilpivirine-containing products.

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

produce adverse environmental effects.

Section 3: Composition/Information on Ingredients

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Ingredients CAS

Rabeprazole sodium 117976-90-6

MSDS : 097/01 Page 1 of 5

Effective Date: 24/11/2016

Section 4: First-Aid Measures

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Ingestion Never give anything by mouth to an unconscious person. Wash out

mouth with water. Do not induce vomiting unless directed by medical

personnel. Seek medical attention immediately.

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 eye(s) immediately with plenty of water. If irritation occurs or

persists, get medical attention.

NOTES TO HEALTH PROFESSIONALS

Medical Treatment

Treat according to locally accepted protocols. For additional guidance, refer to the current prescribing information or to the local poison control information center. Protect the patient's airway and support ventilation and perfusion. Meticulously monitor and maintain, within acceptable limits, the patient's vital signs, blood gases, serum electrolytes, etc.

OVERDOSAGE

Seven reports of accidental overdosage with rabeprazole have been received. The maximum reported overdose was 80 mg. There were no clinical signs or symptoms associated with any reported overdose. Patients with Zollinger-Ellison syndrome have been treated with up to 120 mg rabeprazole once daily. No specific antidote for rabeprazole is known. Rabeprazole is extensively protein bound and is not readily dialyzable.

In the event of overdosage, treatment should be symptomatic and supportive.

If over-exposure occurs, call your Poison Control Center at 1-800-222-1222 for current information on the management of poisoning or overdosage.

Section 5: Fire-Fighting Measures

Section 5, Fire-fighting measures

Fire and Explosion Hazards Not determined

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

Special Firefighting Procedures During all fire-fighting activities, wear appropriate protective equipment,

including self-contained breathing apparatus.

Hazardous Combustion Products Hazardous combustion or decomposition products are expected when

the product is exposed to fire.

MSDS : 097/01 Page 2 of 5
Effective Date : 24/11/2016

Section 6: Accidental Release Measures

Section 6, Accidental release measures

Personal Precautions Personnel involved in clean-up should wear appropriate personal

protective equipment. Minimize exposure.

Environmental Precautions Place waste in an appropriately labeled, sealed container for disposal.

Care should be taken to avoid environmental release.

Clean-up Methods Contain the source of spill if it is safe to do so. Collect spilled material

by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area

thoroughly.

Section 7: Handling and Storage

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Handling If tablets are crushed and/or broken, avoid breathing dust and avoid

contact with eyes.

Storage Store at 25°C (77°F); excursions permitted to 15 to 30°C (59 to 86°F).

[see USP Controlled Room Temperature]. Protect from moisture.

Section 8: Exposure Controls/Personal Protection

Section 8, Exposure controls/personal protection

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

Section 9: Physical and Chemical Properties

Section 9, Physical and chemical properties

Physical Form Rabeprazole sodium delayed-release tablets, 20 mg are supplied as

yellow, round, biconvex, coated tablets, imprinted with "L020"

(black ink) on one side.

Bottles of 30 (NDC# 68180-220-06) Bottles of 90 (NDC# 68180-220-09)

Section 10: Stability and Reactivity

Section 10, Stability and reactivity

Stable under recommended storage conditions.

MSDS : 097/01 Page 3 of 5

Effective Date: 24/11/2016

Section 11: Toxicological Information

Section 11, Toxicological information

Carcinogenesis, Mutagenesis, Impairment of Fertility

In a 88/104-week carcinogenicity study in CD-1 mice, rabeprazole at oral doses up to 100 mg/kg/day did not produce any increased tumor occurrence. The highest tested dose produced a systemic exposure to rabeprazole (AUC) of 1.40 mcg \bullet hr/mL which is 1.6 times the human exposure (plasma AUC0- ∞ = 0.88 mcg \bullet hr/mL) at the recommended dose for GERD (20 mg/day). In a 28-week carcinogenicity study in p53+/- transgenic mice, rabeprazole at oral doses of 20, 60, and 200 mg/kg/day did not cause an increase in the incidence rates of tumors but produced gastric mucosal hyperplasia at all doses. The systemic exposure to rabeprazole at 200 mg/kg/day is about 17 to 24 times the human exposure at the recommended dose for GERD.

In a 104-week carcinogenicity study in Sprague-Dawley rats, males were treated with oral doses of 5, 15, 30 and 60 mg/kg/day and females with 5, 15, 30, 60, and 120 mg/kg/day. Rabeprazole produced gastric enterochromaffin-like (ECL) cell hyperplasia in male and female rats and ECL cell carcinoid tumors in female rats at all doses including the lowest tested dose. The lowest dose (5 mg/kg/day) produced a systemic exposure to rabeprazole (AUC) of about 0.1 mcg•hr/mL which is about 0.1 times the human exposure at the recommended dose for GERD. In male rats, no treatment related tumors were observed at doses up to 60 mg/kg/day producing a rabeprazole plasma exposure (AUC) of about 0.2 mcg•hr/mL (0.2 times the human exposure at the recommended dose for GERD).

Rabeprazole was positive in the Ames test, the Chinese hamster ovary cell (CHO/HGPRT) forward gene mutation test, and the mouse lymphoma cell (L5178Y/TK+/-) forward gene mutation test. Its demethylated-metabolite was also positive in the Ames test. Rabeprazole was negative in the *in vitro* Chinese hamster lung cell chromosome aberration test, the *in vivo* mouse micronucleus test, and the *in vivo* and *ex vivo* rat hepatocyte unscheduled DNA synthesis (UDS) tests.

Rabeprazole at intravenous doses up to 30 mg/kg/day (plasma AUC of 8.8 mcg*hr/mL, about 10 times the human exposure at the recommended dose for GERD) was found to have no effect on fertility and reproductive performance of male and female rats.

Section 12: Ecological Information

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No relevant studies identified.

Section 13: Disposal Considerations

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

MSDS : 097/01 Page 4 of 5

Effective Date : 24/11/2016

Section 14: Transport Information

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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

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

Section 15: Regulatory Information

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This Section Contains Information relevant to compliance with other Federal and/or state laws.

Section 16: Other Information

Section 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 SDS.

MSDS : 097/01 Page 5 of 5

Effective Date : 24/11/2016