

Material Safety data sheet

LAMOTRIGINE TABLETS

Strength: 25 mg. Pack Size: 25,90,100, 500 and 1000 Tablets per bottle
Strength: 50 mg. and 100 mg Pack Size: 90,100, 500 and 1000 Tablets per bottle
Strength: 150 mg, 200mg and 250 mg Pack Size: 60,90 and 500 Tablets per bottle

Revision No.: 00

EMERGENCY OVERVIEW

LAMOTRIGINE TABLETS contain Lamotrigine and excipients generally considered to be non-toxic and non-hazardous in small quantities and under conditions of normal occupational exposure.

Section 1. Identification of the substance

Identification of the product

Product name: Lamotrigine Tablets
Formula: $C_9H_7N_5Cl_2$
Chemical Name: 3,5-diamino-6-(2,3-dichlorophenyl)-*as*-triazine
Therapeutic Category an antiepileptic drug (AED)

Manufacturer / supplier identification

Company: Cadila Healthcare Ltd. Ahmedabad, India
Contact for information: Tel.: +91 79 6868100 Fax: +91 79 3750319
Emergency telephone No. Tel.: +91 79 6868100

Section 2. Composition / information on ingredients

Component	Exposure Limit	CAS No.
Lamotrigine	Not Found	84057-84-1
Lactose monohydrate	Not Found	78-11-5
Magnesium stearate	Not Found	557-04-0
Microcrystalline cellulose	Not Found	9004-34-6
Povidone	Not Found	9003-39-8
Sodium starch glycolate	Not Found	9063-38-1

Material Safety data sheet

LAMOTRIGINE TABLETS

Strength: 25 mg.

Strength: 50 mg. and 100 mg

Strength: 150 mg, 200mg and 250 mg

Pack Size: 25,90,100, 500 and 1000 Tablets per bottle

Pack Size: 90,100, 500 and 1000 Tablets per bottle

Pack Size: 60,90 and 500 Tablets per bottle

Revision No.: 00

Section 3. Health Hazards Information

Dose and Administration

The dose is dependent on the age, weight and adjunct therapy given to the patient. The initial dose starts from 25mg/day to the maintenance dose up to 500mg / day in the divided doses. Tablets are meant for oral administration.

Adverse Effects

Serious rash requiring hospitalization and discontinuation of lamotrigine, including stevens-johnson syndrome and toxic epidermal necrolysis, have occurred in association with therapy with lamotrigine. Rare deaths have been reported, but their numbers are too few to permit a precise estimate of the rate.

Over Dose Effect

Overdoses involving quantities up to 15 g have been reported for lamotrigine, some of which have been fatal. Overdose has resulted in ataxia, nystagmus, increased seizures, decreased level of consciousness, coma, and intraventricular conduction delay.

Contraindications

Lamotrigine tablets are contraindicated in patients who have demonstrated hypersensitivity to the drug or its ingredients. The risk of serious rashes requiring hospitalization and discontinuation of lamotrigine.

Pregnancy Comments

No evidence of teratogenicity was found in mice, rats, or rabbits when lamotrigine was orally administered to pregnant animals during the period of organogenesis at doses up to 1.2, 0.5, and 1.1 times, respectively, on a mg/m² basis, the highest usual human maintenance dose (i.e., 500 mg/day). However, maternal toxicity and secondary fetal toxicity producing reduced fetal weight and/or delayed ossification were seen in mice and rats, but not in rabbits at these doses.

Pregnancy Category

C

Section 4. First aid measures

General

Remove from exposure. Remove contaminated Clothing. Person developing serious hypersensitivity reaction must receive medical attention.

Overdose Treatment

There are no specific antidotes for lamotrigine. Following a suspected overdose, hospitalization of the patient is advised. General supportive care is indicated, including frequent monitoring of vital signs and close observation of the patient. If indicated, emesis should be induced or gastric lavage should be performed; usual precautions should be taken to protect the airway. It should be kept in mind that lamotrigine is rapidly absorbed. It is uncertain whether hemodialysis is an effective means of removing lamotrigine from the blood. In 6 renal failure patients, about 20% of the amount of lamotrigine in the body was removed by hemodialysis during a 4-hour session. A Poison Control Center should be contacted for information on the management of overdosage of lamotrigine.

Material Safety data sheet

LAMOTRIGINE TABLETS

Strength: 25 mg.

Strength: 50 mg. and 100 mg

Strength: 150 mg, 200mg and 250 mg

Pack Size: 25,90,100, 500 and 1000 Tablets per bottle

Pack Size: 90,100, 500 and 1000 Tablets per bottle

Pack Size: 60,90 and 500 Tablets per bottle

Revision No.: 00

Section 5. Fire – fighting measures

Flash point	Not Found	Upper Flammable Limit:	Not Found
Auto-Ignition Temperature:	Not Found	Lower Flammable Limit:	Not Found
Extinguishing Media	Water Spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and material.	Fire and Explosion Hazard	This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with the dry material to dissipate the potential build up of static electricity.
Fire Fighting Procedure	As with all fires, evacuate personnel to a safe area. Fire fighter should use self- contained breathing equipment and protective clothing.		

Section 6. Storage / Spill / Disposal Measures

Storage	Store at 20° to 25°C (68° to 77°F) in a dry place. Protect from light.
Spill Response	Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.
Disposal	Dispose the waste in accordance with all applicable Federal, State and local laws.

Section 7. Exposure controls and personal protection

Respiratory Protection	Protection from inhalation is not normally necessary. If ventilation is inadequate or dust is likely to generate, use of suitable dust mask would be appropriate.
Skin Protection	Skin protection is not normally necessary, however it is good practice to avoid contact with chemical to use suitable gloves when handling.
Eye protection	Eye protection is not normally necessary. If concerned wear protective goggles or glasses. Wash hands prior to touching eye and in particular handling contact lenses.
Protective Clothing	Protective clothing is not normally necessary, however it is good practice to use apron.

Material Safety data sheet

LAMOTRIGINE TABLETS

Strength: 25 mg.

Strength: 50 mg. and 100 mg

Strength: 150 mg, 200mg and 250 mg

Pack Size: 25,90,100, 500 and 1000 Tablets per bottle

Pack Size: 90,100, 500 and 1000 Tablets per bottle

Pack Size: 60,90 and 500 Tablets per bottle

Revision No.: 00

Section 8. Physical and chemical properties

Appearance	<p>Lamotrigine Tablets, 25 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "79" and other side is plain.</p> <p>Lamotrigine Tablets, 50 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "90" and other side is plain.</p> <p>Lamotrigine Tablets, 100 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "80" and other side is plain.</p> <p>Lamotrigine Tablets, 150 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "81" and other side is plain.</p> <p>Lamotrigine Tablets, 200 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "82" and other side is plain.</p> <p>Lamotrigine Tablets, 250 mg are white to off-white, round, flat, beveled-edged tablets with bisect on one side; one side of the bisect is debossed with logo of "ZC" and other side is debossed with "91" and other side is plain.</p>		
Odour	Odourless	Melting Point	No Data Available
Solubility in water	No Data Available	Vapour density	No Data Available
Boiling point	No Data Available	Evaporation rate	No Data Available
Evaporation rate	No Data Available	Specific gravity	No Data Available
Reactivity in water	No Data Available	Vapour pressure	No Data Available
% Volatile by volume	No Data Available		
Other information	Lamotrigine is off-white to white crystalline powder and has a pKa of 5.7. Lamotrigine is soluble in dimethyl sulphoxide.		

Material Safety data sheet

LAMOTRIGINE TABLETS

Strength: 25 mg.

Strength: 50 mg. and 100 mg

Strength: 150 mg, 200mg and 250 mg

Pack Size: 25,90,100, 500 and 1000 Tablets per bottle

Pack Size: 90,100, 500 and 1000 Tablets per bottle

Pack Size: 60,90 and 500 Tablets per bottle

Revision No.: 00

Section 9. Physical Hazards

Condition to avoid	Avoid exposure to extreme heat, light and moisture.	Stable	Stable under normal ambient and anticipated storage and handling conditions.
Decomposition Products	No Data Available	Hazardous Reaction	No data available.
Incompatibilities	No data available.		

Section 10. Toxicological information

Handling of formulated product is not expected to cause any toxicological affects. The data pertains to the ingredient in formulations, rather than this specie formulation.

Target organ Refer contraindication and adverse effect.

other Not Available

Section 11. Ecological information

No data available on Ecotoxicity

Section 12. Other information

None

Date of issue: 10/12/2008

Supersedes edition of: New Addition

The information contained herein is based on the state of our knowledge. It Characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.