***Patient Information Leaflet***

**GLYFERON®**

**Read all of this leaflet carefully before you start taking this medicine because it contains important information for you.** Keep this leaflet. You may need to read it again. If you have any further questions, ask your doctor or pharmacist. This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.

**1. What is GLYFERON and what it is used for:**

GLYFERON contains metformin, a medicine to treat diabetes (ATC code: A10BA02). GLYFERON is used to treat patients with type 2 diabetes (also called non-insulin-dependent diabetes) when diet and exercise alone have not been enough to control the blood glucose levels. It is used particularly in overweight patients. Adults can take GLYFERON on its own or together with other oral medicines or insulin to treat diabetes. Children of 10 years and above can take GLYFERON on its own or together with insulin. A reduction of diabetic complications has been shown in type 2 diabetic adult patients treated with metformin hydrochloride as first-line therapy after diet failure.

**2.What you need to know before you take GLYFERON**

**Do not take GLYFERON** if you are allergic to metformin hydrochloride or any of the other ingredients (see section 6). If you have any kind of kidney or liver disease. If you have serious diabetic complications such as loss of consciousness caused by either very high or very low blood sugar levels ( diabetic coma) and a lack of insulin which leads to high blood sugar levels, ketones in the urine and certain acids in the blood (ketoacidosis). If you have heart complications such as heart failure (even if the condition is under control) or recently had a heart attack. If you have a history of a buildup of lactic acid in the blood (lactic acidosis), which may be associated with shock and breathing difficulties. If you drink a lot of alcohol. If you have a severe infection or injury. Ifyou suffer from a loss or lack of water in the body (dehydration). If you have a severe disease of the blood vessels. ***If any of the above applies to you, please consult your doctor or pharmacist.***

**Warnings and precautions**

**Take special care with GLYFERON** if you are to have an x-ray or CT scan (using iodinated contrast media); you should tell your doctor as you may need to stop your medication. If you use GLYFERON for a longer time: it may reduce your vitamin B12 level, to be annually monitored by your doctor. If if you suffer from kidney problems, particularly if elderly. ***If any of the above apply to you, please consult your doctor or pharmacist.***

**Taking other medicines:** Please inform your doctor or pharmacist if you are taking or have recently taken any other medicines, including medicines obtained without prescription. They may interfere with the actions of GLYFERON. You should tell your doctor if you are taking any of the following: medicines to prevent clotting of the blood, for stomach ulcers and indigestion, for high blood pressure, for depression, for inflammatory and allergic conditions, oral contraceptives, for fluid retention, for high cholesterol, for diabetes such as glibenclamide.

**Taking with alcohol:** If you drink alcohol whilst taking GLYFERON it may interfere with the actions of the medicine.

**Pregnancy and breast−feeding:** If you are pregnant, thinking of becoming pregnant or breast−feeding, GLYFERON should not be taken unless told to do so y your doctor.

**Driving or using machinery:** GLYFERON should not affect your ability to drive or operate machinery. However, you have to be alerted to the risk of hypoglycaemia when GLYFERON is used in combination with other antidiabetic agents (sulfonylureas, insulin, repaglinide).

**3. How to take GLYFERON?**

**The doses stated below are guidelines only. You should always take this medicine as prescribed by your doctor.** This leaflet describes GLYFERON tablets containing 850 mg metformin HCl. An other strength of metformin HCl tablets (1000 mg) is available if needed to set the correct dosing. Do not take more than the doctor has told you to. Read and follow the instructions on the pharmacist’s label. If you are not sure about anything, please ask your doctor or pharmacist. GLYFERON has to be used by oral route with or after a meal. Swallow the tablet with one glass of water. The tablets may not be crushed or chewed.

***Adults:*** usually start with 500 mg or 850 mg, two or three times a day. This medicine may take a few days to 2 weeks to control your condition. Your doctor may increase the dosage to a maximum of 3000 mg per day (as three divided doses) until your condition is under control. ***Children of 10 years and over and adolescents:*** the usual starting dose is 500 mg or 850 mg once daily. After 10 to 15 days the dose should be adjusted on the basis of blood glucose measurements. A slow increase of dose may improve gastrointestinal tolerability. The maximum daily dose is 2000 mg per day taken as 2 or 3 divided doses. ***Elderly:*** the control of renal functions is necessary. Your doctor will monitor your condition if you have kidney problems. The GLYFERON dose should be adjusted according to renal function. ***If you have taken more GLYFERON than you should,*** please contact your doctor or seek emergency medical attention.

***If you forgot to take GLYFERON,*** do not take a double dose to make up for a forgotten dose.

**4. Possible side effects**

GLYFERON is usually well tolerated. However, like most medicines it can cause undesirable side effects in some patients. ***Serious side effects:*** Some people can develop a condition known as lactic acidosis whilst taking metformin. Lactic acidosis is caused by a buildup of lactic acid in the blood (produced when glucose is turned into energy without oxygen). Possible symptoms of lactic acidosis: unexplained weight loss, feeling sick (nausea), being sick (vomiting), general feeling of being unwell, pain in the belly region, increased breathing rate. *If you have or think you may have lactic acidosis, you should go to the hospital immediately as it is a medical emergency.*

***Very common side effects***: feeling sick (nausea), being sick (vomiting), diarrhea, weight loss. These side effects may be avoided by taking your medicine with or after a meal. *If you have any of these side effects it is important to continue taking your medicine as they normally disappear after a short time.*

***Other side effects:*** changes in taste (common), decreased vitamin B12 absorption (rare). *If any of these side effects get serious or you notice any not listed, please tell your doctor or pharmacist.*

**5. How to store GLYFERON:** Keep out of the reach and sight of children. Store in the original package below 30°C. Do not use this medicine if the expiry date printed on the pack or bottle (Exp.) has passed. Any unused product or waste material should be disposed of in accordance with local requirements.

**6. Contents of the pack and other information**

***What GLYFERON contains:*** the active substance is 850 mg metformin HCl. Other excipients of the tablet are: sodium starch glycolate, povidone, colloidal silica, maize starch magnesium stearate; Excipients of coating: hypromellose, macrogol 6000, propylene glycol, talc, titanium dioxide. ***What GLYFERON looks like:*** Blister pack of 30 film-coated tablets with a leaflet in a carton box.

**GLYFERON** is a prescription only medicine.

**7.Nom du fabricant:** Bilim Pharmaceuticals GOSB, 41480 Gebze, Kocaeli, Turkey.

**8. Marketing Authorisation Holder:** Dafra Pharma GmbH, Mühlenberg 7, 4052 Basel, Switzerland.

**9. Date of Revision of This Text:** January 2016