

# Summary of Product Characteristics

## 1 NAME OF THE MEDICINAL PRODUCT

Lopid 300 mg capsules, hard

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Each capsule contains 300 mg of gemfibrozil.

For the full list of excipients, see section 6.1.

## 3 PHARMACEUTICAL FORM

Capsule, hard

### Description

Lopid 300 mg: fine white powder contained in hard gelatine capsule with a white opaque body and a maroon opaque cap imprinted 'Lopid 300' on each capsule half.

## 4 CLINICAL PARTICULARS

### 4.1 Therapeutic indications

Lopid is indicated as an adjunct to diet and other non-pharmacological treatment (e.g. exercise, weight reduction) for the following:

- Treatment of severe hypertriglyceridaemia with or without low HDL cholesterol.
- Mixed hyperlipidaemia when a statin is contraindicated or not tolerated.
- Primary hypercholesterolaemia when a statin is contraindicated or not tolerated.

### Primary prevention

Reduction of cardiovascular morbidity in males with increased non-HDL cholesterol and at high risk for a first cardiovascular event when a statin is contraindicated or not tolerated (see section 5.1).

### 4.2 Posology and method of administration

Prior to initiating gemfibrozil, other medical problems such as hypothyroidism and diabetes mellitus must be controlled as best as possible and patients should be placed on a standard lipid-lowering diet, which should be continued during treatment. Lopid should be taken orally.

### Posology

#### Adult

The dose range is 900 mg to 1200 mg daily.

The only dose with documented effect on morbidity is 1200 mg daily.

See Method of administration.

#### Elderly (over 65 years old)

As for adults

#### Children and adolescents

Gemfibrozil therapy has not been investigated in children. Due to the lack of data the use of Lopid in children is not recommended.

#### Renal impairment

In patients with mild to moderate renal impairment (Glomerular filtration rate 50 - 80 and 30 - < 50 ml/min/1.73 m<sup>2</sup>, respectively), start treatment at 900 mg daily and assess renal function before increasing dose. Lopid should not be used in patients with severely impaired renal function (see section 4.3).

#### Hepatic impairment

Gemfibrozil is contraindicated in hepatic impairment (see section 4.3).

#### Method of administration

The 1200 mg dose is taken as 600 mg twice daily, half an hour before breakfast and half an hour before the evening meal.

The 900 mg dose is taken as a single dose half an hour before the evening meal.

### **4.3 Contraindications**

- Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.
- Hepatic impairment
- Severe renal impairment
- History of/or pre-existing gall bladder or biliary tract disease, including gallstones
- Concomitant use of repaglinide, dasabuvir, selexipag (see section 4.5), simvastatin, or rosuvastatin at 40 mg (see sections 4.4 and 4.5)
- Patients with previous history of photoallergy or phototoxic reaction during treatment with fibrates

### **4.4 Special warnings and precautions for use**

#### Muscle disorders (myopathy/rhabdomyolysis)

There have been reports of myositis, myopathy and markedly elevated creatine phosphokinase associated with gemfibrozil. Rhabdomyolysis has also been reported rarely.

Muscle damage must be considered in any patient presenting with diffuse myalgia, muscle tenderness and/or marked increase in muscle CPK levels ( $>5\times$  ULN); under these conditions treatment must be discontinued.

#### Concomitant HMG CoA reductase inhibitors

The concomitant administration of gemfibrozil with simvastatin, as well as with rosuvastatin at 40 mg is contraindicated. Concomitant therapy of gemfibrozil with lower doses of rosuvastatin should be used only when the benefit outweighs the risks. There have been reports of severe myositis with markedly elevated creatine kinase and myoglobinuria (rhabdomyolysis) when gemfibrozil and HMG CoA reductase inhibitors were used concomitantly (see sections 4.3 and 4.5). Pharmacokinetic interactions may also be present (see also section 4.5) and dosage adjustments may be necessary.

The benefit of further alterations in lipid levels by the combined use of gemfibrozil and HMG-CoA reductase inhibitors should be carefully weighed against the potential risks of such combinations and clinical monitoring is recommended.

A creatine phosphokinase (CPK) level should be measured before starting such a combination in patients with pre-disposing factors for rhabdomyolysis as follows:

- renal impairment
- hypothyroidism
- alcohol abuse
- age  $> 70$  years
- personal or family history of hereditary muscular disorders
- previous history of muscular toxicity with another fibrate or HMG-CoA reductase inhibitor

In most subjects who have had an unsatisfactory lipid response to either drug alone, the possible benefits of combined therapy with HMG-CoA reductase inhibitors and gemfibrozil does not outweigh the risks of severe myopathy, rhabdomyolysis and acute renal failure.

#### Use in patients with gallstone formation

Gemfibrozil may increase cholesterol excretion into the bile raising the potential for gallstone formation. Cases of cholelithiasis have been reported with gemfibrozil therapy. If cholelithiasis is suspected, gallbladder studies are indicated. Gemfibrozil therapy should be discontinued if gallstones are found.

#### Monitoring serum lipids

Periodic determinations of serum lipids are necessary during treatment with gemfibrozil. Sometimes a paradoxical increase of

(total and LDL) cholesterol can occur in patients with hypertriglyceridaemia. If the response is insufficient after 3 months of therapy at recommended doses treatment should be discontinued and alternative treatment methods considered.

#### Monitoring liver function

Elevated levels of ALAT, ASAT, alkaline phosphatase, LDH, CK and bilirubin have been reported. These are usually reversible when gemfibrozil is discontinued. Therefore liver function tests should be performed periodically. Gemfibrozil therapy should be terminated if abnormalities persist.

#### Monitoring blood counts

Periodic blood count determinations are recommended during the first 12 months of gemfibrozil administration. Anaemia, leucopenia, thrombocytopenia, eosinophilia and bone marrow hypoplasia have been reported rarely (see section 4.8).

#### Interactions with other medicinal products (see also sections 4.3 and 4.5)

##### *Concomitant use with CYP2C8, CYP2C9, CYP2C19, CYP1A2, UGT1A1, UGT1A3 and OATP1B1 substrates*

The interaction profile of gemfibrozil is complex resulting in increased exposure of many medicinal products if administered concomitantly with gemfibrozil.

Gemfibrozil potently inhibits CYP2C8, CYP2C9, CYP2C19, CYP1A2, and UDP glucuronyltransferase (UGT1A1 and UGT1A3) enzymes and also inhibits organic anion-transporting polypeptide 1B1 (OATP1B1) (see section 4.5). In addition, gemfibrozil is metabolised to gemfibrozil 1-O- $\beta$ -glucuronide which also inhibits CYP2C8 and OATP1B1.

##### *Concomitant use with hypoglycaemic agents*

There have been reports of hypoglycaemic reactions after concomitant use with gemfibrozil and hypoglycaemic agents (oral agents and insulin). Monitoring of glucose levels is recommended.

##### *Concomitant anticoagulants*

Gemfibrozil may potentiate the effects of coumarin type vitamin K antagonist anticoagulants such as warfarin, acenocoumarol, or phenprocoumon. The concomitant administration of gemfibrozil with these anticoagulants necessitates careful monitoring of prothrombin time (INR - International Normalised Ratio). Caution should be exercised when such a coumarin type vitamin K antagonist anticoagulant is given concomitantly with gemfibrozil. The dosage of the anticoagulant may need to be reduced to maintain desired prothrombin time levels (see section 4.5).

#### Dietary sodium

This medicinal product contains less than 1 mmol sodium (23 mg) per tablet. Patients on low sodium diets should be informed that this medicinal product is essentially 'sodium-free'.

### **4.5 Interaction with other medicinal products and other forms of interaction**

The interaction profile of gemfibrozil is complex. In vivo studies indicate that gemfibrozil and its metabolite gemfibrozil 1-O- $\beta$ -glucuronide are potent inhibitors of CYP2C8 (an enzyme important for the metabolism of e.g. dabrafenib, enzalutamide, loperamide, montelukast, repaglinide, rosiglitazone, pioglitazone, dasabuvir, selexipag and paclitaxel). Co-administration of gemfibrozil with repaglinide, dasabuvir or selexipag is contraindicated (see section 4.3). In addition, dosing reduction of drugs that are mainly metabolised by CYP2C8 enzyme may be required when gemfibrozil is used concomitantly. In vitro studies have shown that gemfibrozil is a strong inhibitor of CYP2C9 (an enzyme involved in the metabolism of e.g. warfarin and glimepiride), but also of CYP 2C19, CYP1A2, OATP1B1 and UGT1A1 and UGT1A3 (see section 4.4). Gemfibrozil 1-O- $\beta$ -glucuronide also inhibits OATP1B1.

#### Repaglinide

In healthy volunteers, co-administration with gemfibrozil increased the AUC and  $C_{max}$  of repaglinide by 8.1-fold and 2.4-fold, respectively. In the same study, co-administration with gemfibrozil and itraconazole increased the AUC and  $C_{max}$  of repaglinide by 19.4-fold and 2.8-fold, respectively. In addition, co-administration with gemfibrozil or with gemfibrozil and itraconazole prolonged its hypoglycaemic effects. Therefore, co-administration of gemfibrozil and repaglinide increases the risk for severe hypoglycaemia and is contraindicated (see section 4.3).

#### Dasabuvir

Co-administration of gemfibrozil with dasabuvir increased dasabuvir AUC and  $C_{max}$  (ratios: 11.3 and 2.01, respectively) due to CYP2C8 inhibition. Increased dasabuvir exposure may increase the risk of QT prolongation, therefore, co-administration of gemfibrozil with dasabuvir is contraindicated (see section 4.3).

Selexipag

Co-administration of gemfibrozil with selexipag, a substrate for CYP2C8, doubled exposure (AUC) to selexipag and increased exposure (AUC) to the active metabolite, ACT-333679, by approximately 11- fold. Concomitant administration of gemfibrozil with selexipag is contraindicated (see section 4.3).

Enzalutamide

In healthy volunteers given a single 160 mg dose of enzalutamide after gemfibrozil 600 mg twice daily, the AUC of enzalutamide plus active metabolite (N-desmethyl enzalutamide) was increased by 2.2-fold and corresponding  $C_{max}$  was decreased by 16%. Increased enzalutamide exposure may increase the risk of seizures. Concomitant treatment of gemfibrozil and enzalutamide should be avoided; if co-administration is considered necessary, the dose of enzalutamide should be reduced (see section 4.4).

Rosiglitazone

The combination of gemfibrozil with rosiglitazone should be approached with caution. Co-administration with rosiglitazone has resulted in 2.3-fold increase in rosiglitazone systemic exposure, probably by inhibition of the CYP2C8 isozyme (see section 4.4).

HMG CoA reductase inhibitors

The concomitant administration of gemfibrozil with simvastatin, as well as with rosuvastatin at 40 mg is contraindicated (see sections 4.3 and 4.4). The combined use of gemfibrozil and a statin should generally be avoided (see section 4.4). The use of fibrates alone is occasionally associated with myopathy. An increased risk of muscle related adverse events, including rhabdomyolysis, has been reported when fibrates are co-administered with statins.

Gemfibrozil has also been reported to influence the pharmacokinetics of simvastatin, lovastatin, pravastatin, rosuvastatin and atorvastatin. Gemfibrozil caused an almost 3-fold increased in AUC of simvastatin acid possibly due to inhibition of glucoronidation via UGT1A1 and UGT1A3, and a 3-fold increase in pravastatin AUC which may be due to interference with transport proteins. One study indicated that the co-administration of a single rosuvastatin dose of 80 mg to healthy volunteers on gemfibrozil (600 mg twice daily) resulted in a 2.2-fold increase in mean  $C_{max}$  and a 1.9-fold increase in mean AUC of rosuvastatin. The co-administration of a single lovastatin dose of 40 mg with gemfibrozil (600 mg twice daily for 3 days) in healthy volunteers resulted in a 2.8-fold increase of the mean AUC and  $C_{max}$  of lovastatin acid. The co-administration of a single atorvastatin dose of 40 mg with gemfibrozil (600 mg twice daily for 7 days) in healthy volunteers resulted in a 1.35-fold increase in mean AUC and no increase in mean  $C_{max}$  of atorvastatin.

Anticoagulants

Gemfibrozil may potentiate the effects of coumarin type vitamin K antagonist anticoagulants such as warfarin, acenocoumarol, or phenprocoumon. The concomitant administration of gemfibrozil with these anticoagulants necessitates careful monitoring of prothrombin time (INR) (see section 4.4).

Bexarotene

Concomitant administration of gemfibrozil with bexarotene is not recommended. A population analysis of plasma bexarotene concentrations in patients with cutaneous T-cell lymphoma (CTCL) indicated that concomitant administration of gemfibrozil resulted in substantial increases in plasma concentrations of bexarotene.

Bile acid – binding resins

Reduced bioavailability of gemfibrozil may result when given simultaneously with resin-granule drugs such as colestipol. Administration of the products two hours or more apart is recommended.

Colchicine

Risk of myopathy and rhabdomyolysis may be increased with concomitant administration of colchicine and gemfibrozil. This risk may be increased in the elderly and in patients with hepatic or renal dysfunction. Clinical and biological monitoring are recommended, especially at the start of combined treatment.

Gemfibrozil is highly bound to plasma proteins and there is potential for displacement interactions with other drugs.

**4.6 Fertility, pregnancy and lactation**Pregnancy

There are no adequate data on use of Lopid in pregnant women. Animal studies are insufficiently clear to allow conclusions to be drawn on pregnancy and foetal development (see section 5.3). The potential risk for humans is unknown. Lopid should not be used during pregnancy unless it is clearly necessary.

#### Breast-feeding

There are no data on excretion of gemfibrozil in milk. Lopid should not be used when breastfeeding.

#### Fertility

Reversible decreases in male fertility have been observed in reproductive toxicity studies in rats (see section 5.3).

### 4.7 Effects on ability to drive and use machines

No studies on the effects on the ability to drive and use machines have been performed. In isolated cases dizziness and visual disturbances can occur which may negatively influence driving.

### 4.8 Undesirable effects

Most commonly reported adverse reactions are of gastrointestinal character and are seen in approximately 7% of the patients. These adverse reactions do not usually lead to discontinuation of the treatment.

Adverse reactions are ranked according to frequency using the following convention: Very common ( $\geq 1/10$ ), Common ( $\geq 1/100$  to  $< 1/10$ ), Uncommon ( $\geq 1/1,000$  to  $< 1/100$ ), Rare ( $\geq 1/10,000$  to  $< 1/1,000$ ), Very rare ( $< 1/10,000$ ), including isolated reports:

System Organ Class	Undesirable effect
<b>Blood and lymphatic system disorders</b>	
Rare	Bone marrow failure, severe anaemia, thrombocytopenia, leukopenia, eosinophilia
<b>Psychiatric disorders</b>	
Rare	Depression, decreased libido
<b>Nervous system disorders</b>	
Common	Vertigo, headache
Rare	Neuropathy peripheral, paraesthesia, dizziness, somnolence
<b>Eye disorders</b>	
Rare	Vision blurred
<b>Cardiac disorders</b>	
Uncommon	Atrial fibrillation
<b>Respiratory, thoracic and mediastinal disorders</b>	
Rare	Laryngeal oedema
<b>Gastrointestinal disorders</b>	
Very common	Dyspepsia
Common	Diarrhoea, vomiting, nausea, abdominal pain constipation, flatulence
Rare	Pancreatitis, appendicitis
<b>Hepatobiliary disorders</b>	
Rare	Jaundice cholestatic, hepatitis, cholelithiasis, cholecystitis, hepatic function abnormal
<b>Skin and subcutaneous tissue disorders</b>	
Common	Eczema, rash
Rare	Angioedema, dermatitis exfoliative, urticaria, dermatitis, alopecia, photosensitivity reaction, pruritus
<b>Musculoskeletal and connective tissue disorders</b>	
Rare	Rhabdomyolysis, myopathy, myositis, muscular weakness, synovitis, myalgia, arthralgia, pain in extremity
<b>Reproductive system and breast disorder</b>	
Rare	Erectile dysfunction
<b>General disorders and administration site conditions</b>	
Common	Fatigue
<b>Investigations</b>	
Rare	Haemoglobin decreased, haematocrit decreased, white blood cell

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via HPRA Pharmacovigilance. Website: [www.hpra.ie](http://www.hpra.ie).

**4.9 Overdose**

Overdose has been reported. Symptoms reported with overdosage were abdominal cramps, abnormal LFTs, diarrhoea, increased CPK, joint and muscle pain, nausea and vomiting. The patients fully recovered. Symptomatic supportive measures should be taken if overdose occurs.

**5 PHARMACOLOGICAL PROPERTIES****5.1 Pharmacodynamic properties**

Pharmacotherapeutic group: Serum-lipid lowering agent

Chemical subgroup: Fibrates

ATC code: C10A B04

Gemfibrozil is a non-halogenated phenoxy-pentanoic acid. Gemfibrozil is a lipid regulating agent which regulates lipid fractions.

Gemfibrozil's mechanism of action has not been definitively established. In man, gemfibrozil stimulates the peripheral lipolysis of triglyceride rich lipoproteins such as VLDL and chylomicrons (by stimulation of LPL). Gemfibrozil also inhibits synthesis of VLDL in the liver. Gemfibrozil increases the HDL2 and HDL3 subfractions as well as apolipoprotein A-I and A-II.

Animal studies suggest that the turnover and removal of cholesterol from the liver is increased by gemfibrozil.

There is evidence that treatment with fibrates may reduce coronary heart disease events but they have not been shown to decrease all cause mortality in the primary or secondary prevention of cardiovascular disease.

In the Helsinki Heart Study, which was a large placebo-controlled study with 4081 male subjects, 40 to 55 years of age, with primary dyslipidaemia (predominantly raised non-HDL cholesterol +/- hypertriglyceridaemia), but no previous history of coronary heart disease, gemfibrozil 600 mg twice daily, produced a significant reduction in total plasma triglycerides, total and low density lipoprotein cholesterol and a significant increase in high density lipoprotein cholesterol. The cumulative rate of cardiac end-points (cardiac death and non-fatal myocardial infarction) during a 5 year follow-up was 27.3/1000 in the gemfibrozil group (56 subjects) and 41.4/1000 in the placebo group (84 subjects) showing a relative risk reduction of 34.0% (95% confidence interval 8.2 to 52.6,  $p < 0.02$ ) and an absolute risk reduction of 1.4% in the gemfibrozil group compared to placebo. There was a 37% reduction in non-fatal myocardial infarction and a 26% reduction in cardiac deaths. The number of deaths from all causes was, however, not different (44 in the gemfibrozil group and 43 in the placebo group). Diabetes patients and patients with severe lipid fraction deviations showed a 68% and 71% reduction of CHD endpoints, respectively.

The VA-HIT study was a double-blind study comparing gemfibrozil (1200 mg per day) with placebo in 2531 men with a history of coronary heart disease, HDL-C levels of  $< 40$  mg/dL (1.0 mmol/L), and normal LDL C levels. After one year, the mean HDL-C level was 6% higher and the mean triglyceride level was 31% lower in the gemfibrozil group than in the placebo group. The primary event of non-fatal myocardial infarction or cardiac death occurred in 17.3% of gemfibrozil-treated and 21.7% of placebo-treated patients (reduction in relative risk 22%; 95% CI, 7 to 35 %;  $P = 0.006$ ). Among secondary outcomes, patients treated with gemfibrozil experienced relative risk reductions of 25% (95% CI -6-47%,  $p = 0.10$ ) for stroke, 24% (95% CI 11-36%,  $p < 0.001$ ) for the combined outcome of death from CHD, non-fatal myocardial infarction, or confirmed stroke, 59% (95% CI 33-75%,  $p < 0.001$ ) for transient ischaemic attack, and 65% (95% CI 37-80%,  $p < 0.001$ ) for carotid endarterectomy.

**5.2 Pharmacokinetic properties**Absorption

Gemfibrozil is well absorbed from the gastro-intestinal tract after oral administration with a bioavailability close to 100%. As the presence of food alters the bioavailability slightly gemfibrozil should be taken 30 minutes before a meal. Peak plasma levels occur in one to two hours. After administration of 600 mg twice daily a  $C_{max}$  in the range 15 to 25 mg/L is obtained.

### Distribution

Volume of distribution at steady state is 9-13 L. The plasma protein binding of gemfibrozil and its main metabolite are at least 97%.

### Biotransformation

Gemfibrozil undergoes oxidation of a ring methyl group to form successively a hydroxymethyl and a carboxyl metabolite (the main metabolite). This metabolite has a low activity compared to the mother compound gemfibrozil and an elimination half-life of approximately 20 hours. Glucuronidation to gemfibrozil 1-O- $\beta$ -glucuronide is another important elimination pathway for gemfibrozil in man.

The enzymes involved in the metabolism of gemfibrozil are not known. The interaction profile of gemfibrozil and its metabolites is complex (see sections 4.3, 4.4 and 4.5). In vitro and in vivo studies have shown that gemfibrozil inhibits CYP2C8, CYP2C9, CYP2C19, CYP1A2, UGT1A1, UGT1A3 and OATP1B1. Gemfibrozil 1-O- $\beta$ -glucuronide also inhibits CYP2C8 and OATP1B1.

### Elimination

Gemfibrozil is eliminated mainly by metabolism. Approximately 70% of the administered human dose is excreted in the urine, mainly as conjugates of gemfibrozil and its metabolites. Less than 6% of the dose is excreted unchanged in the urine. Six percent of the dose is found in faeces. The total clearance of gemfibrozil is in the range 100 to 160 ml/min, and the elimination half-life is in the range 1.3 to 1.5 hours. The pharmacokinetics is linear within the therapeutic dose range.

### Special patient groups

No pharmacokinetic studies have been performed in patients with impaired hepatic function.

There are limited data on patients with mild, moderate and non-dialysed severe renal impairment. The limited data support the use of up to 1200 mg a day in patients with mild to moderate renal failure not receiving another lipid lowering drug.

## **5.3 Preclinical safety data**

In a 2-year study of gemfibrozil, subcapsular bilateral cataracts occurred in 10%, and unilateral in 6.3%, of male rats treated at 10 times the human dose.

In a mouse carcinogenicity study at dosages corresponding to 0.1 and 0.7 times the clinical exposure (based on AUC), there were no significant differences from controls in the incidence of tumours. In a rat carcinogenicity study at dosages corresponding to 0.2 and 1.3 times the clinical exposure (based on AUC), the incidence of benign liver nodules and liver carcinomas was significantly increased in high dose males, and the incidence of liver carcinomas increased also in the low dose males, but this increase was not statistically significant.

Liver tumours induced by gemfibrozil and other fibrates in small rodents are generally considered to be related to the extensive proliferation of peroxisomes in these species and, consequently, of minor clinical relevance.

In the male rat, gemfibrozil also induced benign Leydig cell tumours. The clinical relevance of this finding is minimal.

In reproductive toxicity studies, administration of gemfibrozil at approximately 2 times the human dose (based on body surface area) to male rats for 10 weeks resulted in decreased fertility. Fertility was restored after a drug-free period of 8 weeks. Gemfibrozil was not teratogenic in either rats or rabbits. Administration of 1 and 3 times the human dose (based on body surface area) of gemfibrozil to female rabbits during organogenesis caused a dose-related decrease in litter size. Administration of 0.6 and 2 times the human dose (based on body surface area) of gemfibrozil to female rats from gestation Day 15 through weaning caused dose-related decreases in birth weight and suppression of pup growth during lactation. Maternal toxicity was observed in both species and the clinical relevance of decreases in rabbit litter size and rat pup weight is uncertain.

## **6 PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

#### **Capsule content:**

Polysorbate (E433)  
Colloidal silica  
Maize starch

**Capsule Shell:**

**Body:**

Gelatin

Titanium dioxide E171

**Cap:**

Gelatin

Titanium dioxide E171

Indigo carmine E132

Erythrosine E127

**Printing ink:**

Shellac glaze

Iron oxide black (E172)

**6.2 Incompatibilities**

Not applicable.

**6.3 Shelf life**

3 years.

**6.4 Special precautions for storage**

Store below 25°C, in the original package in order to protect from moisture.

**6.5 Nature and contents of container**

PVC/Aluminium blisters with 20, 60, 100 and 112 capsules.

Not all pack sizes may be marketed.

**6.6 Special precautions for disposal and other handling**

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

**7 MARKETING AUTHORISATION HOLDER**

Pfizer Healthcare Ireland Unlimited Company

The Watermarque Building

Ringsend Road

Dublin 4

Dublin

Ireland

**8 MARKETING AUTHORISATION NUMBER**

PA0822/014/001

**9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

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Date of last renewal: 4<sup>th</sup> April 2010

**10 DATE OF REVISION OF THE TEXT**

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