

# Summary of Product Characteristics

## 1 NAME OF THE MEDICINAL PRODUCT

Erythroped SF 250mg/5ml granules for oral suspension

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Contains erythromycin (as erythromycin ethylsuccinate) 250 mg/ 5 ml

### Excipients with known effect

Sorbitol (1176 mg/ 5 ml)

Sodium citrate (255 mg/ 5 ml)

Saccharin sodium (3.4 mg/5 ml)

Sodium methyl hydroxybenzoate (5 mg/ 5 ml)

Sodium propyl hydroxybenzoate (1 mg/ 5 ml)

For the full list of excipients, see section 6.1.

## 3 PHARMACEUTICAL FORM

Granules for oral suspension

White, free-flowing granules with a banana odour.

## 4 CLINICAL PARTICULARS

### 4.1 Therapeutic indications

Erythroped SF 250 mg/5 ml Granules for Oral Suspension are indicated in adults and children for the treatment of infections caused by erythromycin sensitive organisms. Consideration should be given to official guidance on the appropriate use of antibacterial agents.

### 4.2 Posology and method of administration

#### Posology

Presentations are available for adults and children over 8 years, children aged 2-8 years and for children under 2 years.

#### Adults and children over 8 years:

1 to 2 g/day in divided doses. For severe infections up to 4 g/day in divided doses.

#### Hepatic impairment

Erythromycin should be used with caution in patients with impaired hepatic function (see sections 4.4 & 5.2).

#### *Paediatric population*

#### Children 2 - 8 years:

30 mg/kg/day in divided doses. For severe infections up to 50 mg/kg/day in divided doses.

Normal dose: 250 mg four times a day or 500 mg twice daily.

#### Children up to 2 years:

30 mg/kg/day in divided doses. For severe infections up to 50 mg/kg/day in divided doses.

Normal dose: 125 mg four times a day or 250 mg twice daily.

#### Method of administration

For oral administration.

Erythroped SF 250 mg/5 ml Granules for Oral Suspension may be administered without regard to meals.

### 4.3 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

Erythromycin is contraindicated in patients taking astemizole, terfenadine, domperidone, cisapride or pimozide.

Erythromycin should not be given to patients with a history of QT prolongation (congenital or documented acquired QT prolongation) or ventricular cardiac arrhythmia, including torsades de pointes (see section 4.4 and 4.5).

Erythromycin should not be given to patients with electrolyte disturbances (hypokalaemia, hypomagnesaemia due to the risk of prolongation of QT interval).

Erythromycin is contraindicated with ergotamine and dihydroergotamine.

Erythromycin must not be used concomitantly with HMG-CoA reductase inhibitors (statins) that are extensively metabolized by CYP3A4 (lovastatin or simvastatin), due to the increased risk of myopathy, including rhabdomyolysis (see sections 4.4, 4.5 and 4.8).

Concomitant administration of erythromycin and lomitapide is contraindicated (see section 4.5).

### 4.4 Special warnings and precautions for use

Erythromycin is excreted principally by the liver, so caution should be exercised in administering the antibiotic to patients with impaired hepatic function or concomitantly receiving potentially hepatotoxic agents. Hepatic dysfunction including increased liver enzymes and hepatocellular and/or cholestatic hepatitis, with or without jaundice, has been infrequently reported with erythromycin.

Pseudomembranous colitis has been reported with nearly all antibacterial agents, including macrolides and may range in severity from mild to life-threatening (see section 4.8). *Clostridium difficile*-associated diarrhoea (CDAD) has been reported with use of nearly all antibacterial agents including erythromycin, and may range in severity from mild diarrhoea to fatal colitis. Treatment with antibacterial agents alters the normal flora of the colon, which may lead to overgrowth of *C. difficile*. CDAD must be considered in all patients who present with diarrhoea following antibiotic use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antibacterial agents.

As with other macrolides, rare serious allergic reactions, including acute generalised exanthematous pustulosis (AGEP) have been reported. If an allergic reaction occurs, the drug should be discontinued and appropriate therapy should be instituted. Physicians should be aware that reappearance of the allergic symptoms may occur when symptomatic therapy is discontinued.

There have been reports suggesting erythromycin does not reach the foetus in adequate concentrations to prevent congenital syphilis. Infants born to women treated during pregnancy with oral erythromycin for early syphilis should be treated with an appropriate penicillin regimen.

**HMG-CoA Reductase Inhibitors:** Erythromycin has been reported to increase concentrations of HMG-CoA reductase inhibitors (statins). Rare reports of rhabdomyolysis have been reported in patients taking these drugs concomitantly. Erythromycin is contraindicated in patients receiving the HmG-CoA reductase inhibitors lovastatin and simvastatin (see sections 4.3 and 4.5). If treatment with erythromycin cannot be avoided, therapy with lovastatin or simvastatin must be suspended during the course of treatment.

In situations where the concomitant use of erythromycin with statins cannot be avoided, it is recommended to prescribe the lowest registered dose of the statin. Use of a statin that is not dependent on CYP3A metabolism (e.g. fluvastatin) can be considered.

There have been reports that erythromycin may aggravate the weakness of patients with myasthenia gravis.

Prolonged or repeated use of erythromycin may result in overgrowth of non-susceptible bacteria or fungi. If super-infection occurs, erythromycin should be discontinued and appropriate therapy instituted.

Paediatric population

There have been reports of infantile hypertrophic pyloric stenosis (IHPS) occurring in infants following erythromycin therapy. Epidemiological studies including data from meta-analyses suggest a 2-3-fold increase in the risk of IHPS following exposure to erythromycin in infancy. This risk is highest following exposure to erythromycin during the first 14 days of life. Available data suggests a risk of 2.6% (95% CI: 1.5 -4.2%) following exposure to erythromycin during this time period. The risk of IHPS in the general population is 0.1-0.2%. Since erythromycin may be used in the treatment of conditions in infants which are associated with significant mortality or morbidity (such as pertussis or chlamydia), the benefit of erythromycin therapy needs to be weighed against the potential risk of developing IHPS. Parents should be informed to contact their physician if vomiting or irritability with feeding occurs.

There is a risk of developing visual impairments after exposure to erythromycin. For some patients, a pre-existing dysfunction in mitochondrial metabolism from genetic causes such as Leber's hereditary optic neuropathy (LHON) and autosomal dominant optic atrophy (ADOA) might play a contributing role.

#### Cardiovascular Events

Prolongation of the QT interval, reflecting effects on cardiac repolarisation imparting risk of developing cardiac arrhythmia and torsades de pointes, have been seen in patients treated with macrolides including erythromycin (see sections 4.3, 4.5 and 4.8). Fatalities have been reported.

#### Erythromycin should be used with caution in the following:

Patients with coronary artery disease, severe cardiac insufficiency, conduction disturbances or clinically relevant bradycardia. Patients concomitantly taking other medicinal products associated with QT prolongation (see section 4.3 and 4.5). Elderly patients may be more susceptible to drug-associated effects on the QT interval (see section 4.8). Epidemiological studies investigating the risk of adverse cardiovascular outcomes with macrolides have shown variable results. Some observational studies have identified a rare short term risk of arrhythmia, myocardial infarction and cardiovascular mortality associated with macrolides including erythromycin. Consideration of these findings should be balanced with treatment benefits when prescribing erythromycin.

#### Laboratory Tests

Erythromycin interferes with the fluorometric determination of urinary catecholamines.

#### **This medicine contains contains:**

- sorbitol (E420)

Patients with hereditary fructose intolerance (HFI) should not take this medicine. Sorbitol may cause gastrointestinal discomfort and mild laxative effect.

- parahydroxybenzoates May cause allergic reactions (possibly delayed).
- Sodium This medicinal product contains 69.34 mg sodium per 5ml dose, equivalent to 3.47% of the WHO recommended maximum daily intake of 2 g sodium for an adult.

This needs to be taken into consideration when prescribing for patients on a sodium-restricted diet.

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

Erythromycin is a moderate inhibitor of CYP3A4 mediated metabolism and P-glycoprotein.

**Increases in serum concentrations of the following drugs metabolised by the cytochrome P450 system may occur when administered concurrently with erythromycin:** acenocoumarol, alfentanil, astemizole, bromocriptine, carbamazepine, cilostazol, cyclosporin, digoxin, dihydroergotamine, disopyramide, ergotamine, hexobarbitone, methylprednisolone, midazolam, omeprazole, phenytoin, quinidine, rifabutin, sildenafil, tacrolimus, terfenadine, domperidone, theophylline, triazolam, valproate, vinblastine, and antifungals e.g. fluconazole, ketoconazole and itraconazole. Appropriate monitoring should be undertaken and dosage should be adjusted as necessary. Serum concentrations of drugs metabolised by the cytochrome P450 system should be monitored closely in patients concurrently receiving erythromycin. The prescriber should consult appropriate reference sources for additional information. Particular care should be taken with medications known to prolong the QTc interval of the electrocardiogram.

**Drugs that induce CYP3A4 (such as rifampicin, phenytoin, carbamazepine, phenobarbital, St John's Wort)** may induce the metabolism of erythromycin. This may lead to sub-therapeutic levels of erythromycin and a decreased effect. The induction decreases gradually during two weeks after discontinued treatment with CYP3A4 inducers. Erythromycin should not be used during and two weeks after treatment with CYP3A4 inducers.

**HMG-CoA Reductase Inhibitors:** Erythromycin is contraindicated in patients receiving the HmG-CoA reductase inhibitors lovastatin and simvastatin (see section 4.3). Erythromycin has been reported to increase concentrations of HMG-CoA reductase inhibitors. Rare reports of rhabdomyolysis have been reported in patients taking these drugs concomitantly.

Concomitant administration of erythromycin with lomitapide is contraindicated due the potential for markedly increased transaminases (see section 4.3).

**Contraceptives:** some antibiotics may in rare cases decrease the effect of contraceptive pills by interfering with the bacterial hydrolysis of steroid conjugates in the intestine and thereby reabsorption of unconjugated steroid. As a result of this plasma levels of active steroid may decrease.

**Antihistamine H<sub>1</sub> antagonists:** care should be taken in the co-administration of erythromycin with H<sub>1</sub> antagonists such as terfenadine, astemizole and mizolastine due to the alteration of their metabolism by erythromycin.

Erythromycin significantly alters the metabolism of terfenadine, astemizole and pimozide when taken concomitantly. Rare cases of serious, potentially fatal, cardiovascular events including cardiac arrest, torsades de pointes and other ventricular arrhythmias have been observed (see section 4.3 and 4.8).

**Anti-bacterial agents:** an *in vitro* antagonism exists between erythromycin and the bactericidal beta-lactam antibiotics (e.g. penicillin, cephalosporin). Erythromycin antagonises the action of clindamycin, lincomycin and chloramphenicol. The same applies for streptomycin, tetracyclines and colistin.

**Protease inhibitors:**in concomitant administration of erythromycin and protease inhibitors, an inhibition of the decomposition of erythromycin has been observed.

**Oral anticoagulants:** there have been reports of increased anticoagulant effects when erythromycin and oral anticoagulants (e.g. warfarin, rivaroxaban) are used concomitantly.

**Triazolobenzodiazepines (such as triazolam and alprazolam) and related benzodiazepines:** erythromycin has been reported to decrease the clearance of triazolam, midazolam, and related benzodiazepines, and thus may increase the pharmacological effect of these benzodiazepines.

**Corticosteroids:** Caution should be exercised in concomitant use of erythromycin with systemic and inhaled corticosteroids that are primarily metabolised by CYP3A due to the potential for increased systemic exposure to corticosteroids. If concomitant use occurs, patients should be closely monitored for systemic corticosteroid undesirable effects.

**Hydroxychloroquine and chloroquine:** Erythromycin should be used with caution in patients receiving these medicines known to prolong the QT interval due to the potential to induce cardiac arrhythmia and serious adverse cardiovascular events.

**Post-marketing reports indicate that co-administration of erythromycin with ergotamine or dihydroergotamine** has been associated with acute ergot toxicity characterised by vasospasm and ischaemia of the central nervous system, extremities and other tissues (see section 4.3).

**Elevated cisapride levels** have been reported in patients receiving erythromycin and cisapride concomitantly. This may result in QTc prolongation and cardiac arrhythmias including ventricular tachycardia, ventricular fibrillation and torsades de pointes. Similar effects have been observed with concomitant administration of pimozide and clarithromycin, another macrolide antibiotic.

Erythromycin use in patients who are receiving high doses of **theophylline** may be associated with an increase in serum theophylline levels and potential theophylline toxicity. In case of theophylline toxicity and/or elevated serum theophylline levels, the dose of theophylline should be reduced while the patient is receiving concomitant erythromycin therapy. There have

been published reports suggesting when oral erythromycin is given concurrently with theophylline there is a significant decrease in erythromycin serum concentrations. This decrease could result in sub-therapeutic concentrations of erythromycin.

There have been post-marketing reports of **colchicine toxicity** with concomitant use of erythromycin and colchicine.

Hypotension, bradyarrhythmias and lactic acidosis have been observed in patients receiving **concurrent verapamil, a calcium channel blocker**.

**Cimetidine** may inhibit the metabolism of erythromycin which may lead to an increased plasma concentration.

Erythromycin has been reported to decrease the clearance of **zopiclone** and thus may increase the pharmacodynamic effects of this drug.

#### 4.6 Fertility, pregnancy and lactation

Erythromycin should be used by women during pregnancy or breast-feeding only if clearly needed.

##### Pregnancy

The available epidemiological studies on the risk of major congenital malformations with use of macrolides including erythromycin during pregnancy provide conflicting results. Some observational studies in humans have reported cardiovascular malformations after exposure to medicinal products containing erythromycin during early pregnancy.

Erythromycin has been reported to cross the placental barrier in humans, but foetal plasma levels are generally low.

In a cohort study it was found that there was a modest association between infantile hypertrophic pyloric stenosis (IHPS) and maternal exposure to erythromycin during weeks 28 to birth.

##### Breast-feeding

Erythromycin is excreted in breast milk, therefore, caution should be exercised when erythromycin is administered to a nursing mother. There has been a report of a breast-fed infant who developed pyloric stenosis thought to be associated with use of erythromycin by the mother. A cohort study concluded that the use of erythromycin, during breast-feeding increased the risk of infantile hypertrophic pyloric stenosis (IHPS).

##### Fertility

No data available.

#### 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. However, undesirable effects may occur (e.g. dizziness, blurred vision), which may influence the ability to drive and use machines (see section 4.8) .

#### 4.8 Undesirable effects

Adverse drug effects reported with erythromycin originate from multiple sources, including spontaneous reports and frequency cannot be estimated from the available data. The most frequent side effects of oral erythromycin preparations are gastrointestinal and are dose-related.

The list of undesirable effects below is presented by organ system classes according to MedDRA convention and the used frequencies follow the categories of this convention: rare ( $\geq 1 / 10,000$  to  $< 1 / 1,000$ ) Not known (cannot be estimated from the available data)

| MedDRA system organ class database   | Frequency | Adverse reactions                        |
|--------------------------------------|-----------|--|
| Blood and lymphatic system disorders | Not known | Eosinophilia.                            |
| Immune system disorders              | Not known | Hypersensitivity, anaphylactic reaction. |

|  |           |  |
|--|-----------|--|
|  |           |  |
| Psychiatric disorders                                | Not known | Hallucination.   |
| Nervous system disorders                             | Not known | Dizziness.<br>*Confusion, seizures and vertigo   |
| Eye Disorders  | Not known | Visual impairment (see section 4.4).   |
| Ear and labyrinth disorders                          | Not known | Deafness**, tinnitus.  |
| Cardiac disorders                                    | Not known | Torsades de pointes, palpitations, and cardiac rhythm disorders including ventricular tachyarrhythmia.<br>Cardiac arrest, ventricular fibrillation                   |
| Vascular disorders                                   | Not known | Hypotension.   |
| Gastrointestinal disorders                           | Rare      | Pseudomembranous colitis (see section 4.4).  |
|  | Not known | Upper abdominal discomfort, nausea, vomiting, diarrhoea, pancreatitis, anorexia, infantile hypertrophic pyloric stenosis.  |
| Hepatobiliary disorders                              | Not known | Hepatitis cholestatic, jaundice, hepatic function abnormal, hepatomegaly, hepatic failure, hepatitis (see section 4.4).  |
| Skin and subcutaneous tissue disorders               | Not known | Rash, pruritus, urticaria, angioedema, Stevens-Johnson syndrome, toxic epidermal necrolysis, erythema multiforme, acute generalised exanthematous pustulosis (AGEP). |
| Musculoskeletal and connective tissue disorders      | Not known | Rhabdomyolysis (see sections 4.3, 4.4 and 4.5).  |
| Renal and urinary disorders                          | Not known | Tubulointerstitial nephritis   |
| General disorders and administration site conditions | Not known | Chest pain, pyrexia, malaise.  |
| Investigations                                       | Not known | Hepatic enzymes Increased,<br>Electrocardiogram QT prolonged   |

\*There have been isolated reports of transient central nervous system side effects including confusional state, convulsions, and vertigo; however, a cause and effect relationship has not been established.

\*\*There have been isolated reports of reversible hearing loss occurring chiefly in patients with renal insufficiency or taking high doses.

#### 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**

##### Symptoms

Hearing loss, severe nausea, vomiting and diarrhoea.

Management

Gastric lavage, general supportive measures.

In case of overdosage, erythromycin should be discontinued.

Erythromycin is not removed by peritoneal dialysis or haemodialysis.

## 5 PHARMACOLOGICAL PROPERTIES

### 5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Antibacterial for systemic use; ATC Code: J01FA01

Mechanism of action

Erythromycin exerts its antimicrobial action by binding to the 50 S ribosomal sub-unit of susceptible microorganisms and suppresses protein synthesis.

Biochemical tests demonstrate erythromycin inhibits protein synthesis of the pathogen without directly affecting nucleic acid synthesis. Antagonism has been demonstrated in vitro between erythromycin and clindamycin, lincomycin and chloramphenicol.

Clinical efficacy and safety

Erythromycin is usually active against most strains of the following organisms both *in vitro* and in clinical infections:

Gram positive bacteria - *Listeria monocytogenes*, *Corynebacterium diphtheriae* (as an adjunct to antitoxin), *Staphylococci* spp, *Streptococci* spp (including *Enterococci*).

Gram negative bacteria - *Haemophilus influenzae*, *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Legionella pneumophila*, *Moraxella (Branhamella) catarrhalis*, *Bordetella pertussis*, *Campylobacter* spp.

Mycoplasma - *Mycoplasma pneumoniae*, *Ureaplasma urealyticum*.

Other organisms - *Treponema pallidum*, *Chlamydia* spp, *Clostridia* spp, L-forms, the agents causing trachoma and lymphogranuloma venereum.

Note: The majority of strains of *Haemophilus influenzae* are susceptible to the concentrations reached after ordinary doses.

Susceptibility testing breakpoints

#### ***EUCAST clinical MIC breakpoints for erythromycin (Version 14.0, valid from 2024-01-01):***

| Pathogen  | Susceptible (mg/L) | Resistant (mg/L)   |
|---|--------------------|--------------------|
| <i>Staphylococcus</i> spp.                                | ≤ 1                | > 1                |
| <i>Streptococcus</i> groups A,B,C,G                       | ≤ 0.25             | > 0.25             |
| <i>Streptococcus pneumoniae</i>                           | ≤ 0.25             | > 0.25             |
| <i>Viridans</i> group streptococci                        | IE*                | IE*                |
| <i>Haemophilus influenzae</i>                             | Note <sup>1)</sup> | Note <sup>1)</sup> |
| <i>Moraxella catarrhalis</i>                              | ≤ 0.25             | > 0.25             |
| <i>Listeria monocytogenes</i>                             | ≤ 1                | > 1                |
| <i>Campylobacter jejuni</i>                               | ≤ 4                | > 4                |
| <i>Campylobacter coli</i>                                 | ≤ 8                | > 8                |
| <i>Corynebacterium diphtheriae</i> and <i>C. ulcerans</i> | ≤ 0.06             | > 0.06             |
| <i>Kingella kingae</i>                                    | ≤ 0.5              | > 0.5              |
| <i>Bacillus</i> spp.<br>except <i>B. anthracis</i>        | ≤ 0.5              | > 0.5              |

1) *Clinical evidence for the efficacy of macrolides in H. influenza respiratory infections is conflicting due to high spontaneous cure rates. Should there be a need to test any macrolide against this species, the epidemiological cut-offs (ECOFFS) should be used to detect strains with acquired resistance. The ECOFF for erythromycin is 16 mg/L.*

*\*"IE" indicates that there is insufficient evidence that the species in question is a good target for therapy with the drug. A MIC with a comment but without an accompanying S, I or R categorisation may be reported.*

## 5.2 Pharmacokinetic properties

### Absorption

Orally administered erythromycin ethylsuccinate suspension is readily and reliably absorbed under both fasting and nonfasting conditions.

### Distribution

Peak blood levels normally occur within 1 hour of dosing of erythromycin ethylsuccinate granules. The elimination half life is approximately 2 hours. Doses may be administered 2, 3 or 4 times a day.

Erythromycin ethylsuccinate is less susceptible than erythromycin to the adverse effect of gastric acid. It is absorbed from the small intestine. It is widely distributed throughout body tissues. Only low concentrations are normally achieved in the spinal fluid, but passage of the drug across the blood-brain barrier increases in meningitis.

### Biotransformation and Elimination

In the presence of normal hepatic function, erythromycin is concentrated in the liver and excreted in the bile. The effect of hepatic dysfunction on excretion of erythromycin by the liver into the bile is not known. Little metabolism occurs and only about 5% is excreted in the urine.

## 5.3 Preclinical safety data

Long-term (2 years) oral studies conducted in rats up to 400 mg/kg/day and in mice up to about 500 mg/kg/day with erythromycin stearate did not provide evidence of tumorigenicity.

Mutagenicity studies conducted did not show any genotoxic potential and there was no apparent effect on male or female fertility in rats treated with erythromycin base by oral gavage at 700 mg/kg/day.

There is no evidence of teratogenicity or any other adverse effect on reproduction in female rats dosed by oral gavage at 350 mg/kg/day (7 times the human dose) of erythromycin base prior to and during mating, during gestation and through weaning. There are, however, no adequate and well-controlled studies in pregnant women.

Because animal reproduction studies are not always predictive of human response, this drug should be used in pregnancy only if it is clearly needed. Erythromycin has been reported to cross the placental barrier in humans, but foetal plasma levels are generally low.

## 6 PHARMACEUTICAL PARTICULARS

### 6.1 List of excipients

Sorbitol (E420)  
Xanthan gum  
Sodium citrate  
Surfactant Poloxamer  
Acesulfame Potassium (K)  
Saccharin sodium  
Sodium methylhydroxybenzoate (E219)  
Sodium propylhydroxybenzoate (E217)  
Colloidal anhydrous silica  
Imitation banana No. 2 flavour  
Imitation cream flavour



**6.2 Incompatibilities**

Not applicable.

**6.3 Shelf life**

Dry granules: 2 years.

Reconstituted suspension: 7 days.

**6.4 Special precautions for storage**

Do not store above 25°C. Keep the bottle tightly closed.

**6.5 Nature and contents of container**

Polyethylene bottles 100 or 140 ml.

Not all pack sizes may be marketed.

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

For 140 ml pack size

Shake the bottle to agitate the granules, then add a total of 105 ml of water in one portion. Invert the bottle and shake vigorously, until granules are fully suspended.

For 100 ml pack size

Shake the bottle to agitate the granules, then add a total of 75 ml water in one portion. Invert the bottle and shake vigorously until granules are fully suspended.

The reconstituted suspension is white, opaque, with a flavour of sweet banana.

No special requirements for disposal.

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

**7 MARKETING AUTHORISATION HOLDER**

Amdipharm Limited  
Temple Chambers  
3 Burlington Road  
Dublin 4  
Ireland

**8 MARKETING AUTHORISATION NUMBER**

PA1142/006/001

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

Date of first authorisation: 19 February 1999

Date of last renewal: 19 February 2009

**10 DATE OF REVISION OF THE TEXT**

June 2024

07 June 2024

CRN00FC37

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