

Summary of Product Characteristics

1 NAME OF THE MEDICINAL PRODUCT

Suprane Inhalation vapour, solution

2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Desflurane 100% v/v

For a full list of excipients, see section 6.1.

3 PHARMACEUTICAL FORM

Inhalation vapour, solution.

A clear, colourless to practically odourless solution.

4 CLINICAL PARTICULARS

4.1 Therapeutic indications

Desflurane is indicated as an inhalation agent for induction and maintenance of anaesthesia in adults.

Desflurane is indicated for maintenance of anaesthesia in intubated infants and children under 12 years.

Desflurane is not indicated for induction of anaesthesia in paediatric patients. (See Section 4.3)

Use of desflurane in dental anaesthesia should be restricted to hospitals and day care units only.

4.2 Posology and method of administration

Method of administration

Desflurane is administered by inhalation. The concentration of desflurane should be delivered from a vaporizer specifically designed and designated for use with desflurane.

Premedication

The premedication should be chosen to suit the individual requirements of the patient.

Studies to date have not shown an effect of premedication on respiratory tract reactions associated with inhalational induction of anaesthesia.

Individualization

The administration of general anaesthesia must be individualized based on the patient's response.

Effects on Concomitant Therapy

Opioids or benzodiazepines decrease the amount of desflurane required to produce anaesthesia.

Desflurane decreases the required doses of neuromuscular blocking agents (see Table 2, section 4.5). If added relaxation is required, supplemental doses of muscle relaxants may be used. (See section 4.5)

Dosage

The minimum alveolar concentration (MAC) of desflurane decreases with increasing patient age. The dose of desflurane should be adjusted accordingly. The MAC has been determined as listed in Table 1.

Table 1
MAC for desflurane according to patient age and inhalation mixture
(Mean±SD)

Age	N*	100% Oxygen	N*	60% Nitrous Oxide/40% Oxygen
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2 weeks	6	9.2±0.0	-	-
10 weeks	5	9.4±0.4	-	-
9 months	4	10.0±0.7	5	7.5±0.8
2 years	3	9.1±0.6	-	-
3 years	-	-	5	6.4±0.4
4 years	4	8.6±0.6	-	-
7 years	5	8.1±0.6	-	-
25 years	4	7.3±0.0	4	4.0±0.3
45 years	4	6.0±0.3	6	2.8±0.6
70 years	6	5.2±0.6	6	1.7

*N= number of crossover pairs (using up-and-down method of quantal response)

Induction of Anaesthesia in Adults

In adults, a starting concentration of 3% is recommended, increased in 0.5-1.0% increments every 2 to 3 breaths. Inspired concentrations of 4-11% of desflurane usually produce surgical anaesthesia in 2-4 minutes. Higher concentrations up to 15% may be used. Such concentrations of desflurane will proportionately dilute the concentration of oxygen and commencing administration of oxygen should be 30% or above. After induction in adults with an intravenous drug such as thiopental or propofol, desflurane can be started at approximately 0.5-1 MAC, whether the carrier gas is O₂ or N₂O/O₂.

Desflurane should be administered at 0.8 MAC or less, and in conjunction with a barbiturate induction and hyperventilation (hypocapnia) until cerebral decompression in patients with known or suspected increases in cerebrospinal fluid pressure.

Appropriate attention must be paid to maintain cerebral perfusion pressure. (See section 4.4)

During induction in adults, the overall incidence of oxyhemoglobin desaturation (SpO₂ < 90%) was 6%. High concentrations of desflurane may induce upper airway adverse events. See section 4.8.

Induction of Anaesthesia in Children

Desflurane is not indicated for use as an inhalation induction agent in children and infants because of the frequent occurrence of cough, breath holding, apnoea, laryngospasm and increased secretions (see section 4.4)

Maintenance of Anaesthesia in Adults

Surgical levels of anaesthesia may be sustained with 2-6% concentration of desflurane when nitrous oxide is used concomitantly. Desflurane at 2.5-8.5 % may be required when administered using oxygen or oxygen enriched air. In adults, surgical levels of anaesthesia may be sustained at a reduced concentration of desflurane when nitrous oxide is used concomitantly.

Maintenance of Anaesthesia in Children

Desflurane is indicated for maintenance of anaesthesia in intubated infants and children under 12 years of age. Surgical levels of anaesthesia may be maintained in children with end-tidal concentrations of 5.2 to 10% desflurane with or without the concomitant use of nitrous oxide. Although endtidal concentrations of up to 18% desflurane have been administered for short periods of time, if high concentrations are used with nitrous oxide it is important to ensure that the inspired mixture contains a minimum of 25% oxygen.

If added relaxation is required, supplemental doses of muscle relaxants may be used.

Due to limited data available, desflurane is not approved for maintenance of anaesthesia in children 12-18 years of age. (see Section 4.4)

Blood Pressure and Heart Rate During Maintenance

Blood pressure and heart rate should be monitored carefully during maintenance as part of the evaluation of depth of anaesthesia.

Dosage in Renal and Hepatic Impairment

Concentrations of 1-4% desflurane in nitrous oxide/ oxygen have been used in patients with chronic renal or hepatic impairment and during renal transplantation surgery.

Because of minimal metabolism, a need for dose adjustment in patients with renal and hepatic impairment is not to be expected.

4.3 Contraindications

Desflurane should not be used for patients in whom general anaesthesia is contraindicated.

Desflurane is also contraindicated:

- - in patients with known sensitivity to halogenated agents,
- - in patients with known or genetic susceptibility to malignant hyperthermia (see Section 4.4)
- - in all patients (adults and children) undergoing dental procedures outside a hospital or day care unit (see Section 4.1).

Desflurane should not be used in patients in whom liver dysfunction, jaundice, unexplained fever, leucocytosis or eosinophilia has occurred after a previous halogenated anaesthetic administration.

Myocardial ischaemia has occurred during induction with desflurane in a significant proportion of patients undergoing CABG. The product is not suitable for such use.

Desflurane is contraindicated for use as an inhalation induction agent in pediatric patients because of the frequent occurrence of cough, breath holding, apnea, laryngospasm and increased secretions. See also Section 4.4 - [Paediatric Inhalation Induction](#).

4.4 Special warnings and precautions for use

Desflurane should only be administered by persons trained in the administration of general anaesthesia using a vaporizer specifically designed and designated for use with desflurane. All patients anaesthetised with desflurane should be constantly monitored, including ECG, BP, oxygen saturation and end-tidal CO₂, in a setting where full resuscitative equipment is available and with staff fully trained in resuscitative techniques.

The presence of additional risk factors should be taken into consideration (see also Section 4.8). Hypotension and respiratory depression increase as anaesthesia is deepened.

Use of desflurane in hypovolaemic, hypotensive and debilitated patients has not been extensively investigated. As with other potent inhaled anaesthetics, a lower concentration is recommended for use in these patients.

Desflurane should not be administered in patients who are prone to develop bronchoconstriction since bronchospasm can occur.

There is insufficient experience of use in repeated anaesthesia to make a definite recommendation in this regard. As with all halogenated anaesthetics repeat anaesthesia within a short period of time should be approached with caution.

This agent causes a rise in blood sugar levels during anaesthesia. The clinical significance of this is unknown.

As with other halogenated anaesthetics, desflurane has been reported to interact with dry carbon dioxide adsorbents during closed circuit anaesthesia, to form carbon monoxide. Inhalation of carbon monoxide may lead to formation of significant levels of carboxyhaemoglobin in exposed patients. In the event that a patient on closed circuit anaesthesia using desflurane develops oxygen desaturation which does not respond to the usual therapeutic corrective measures, direct measurement of carboxyhaemoglobin using reliable methods should be carried out. All necessary precautions should be taken to insure that carbon dioxide adsorbents are not allowed to dry out.

Warnings:

Malignant Hyperthermia (MH)

In susceptible individuals, potent inhalation anaesthetic agents may trigger a skeletal muscle hypermetabolic state leading to high oxygen demand and the clinical syndrome known as malignant hyperthermia. Desflurane was shown to be a potential trigger of malignant hyperthermia. The clinical syndrome is signaled by hypercapnia, and may include muscle rigidity, tachycardia, tachypnea, cyanosis, arrhythmias, and/or unstable blood pressure. Some of these non-specific signs may also appear during light anaesthesia: acute hypoxia, hypercapnia, and hypovolemia. Treatment of malignant hyperthermia includes discontinuation of triggering agents, administration of intravenous dantrolene sodium, and application of supportive therapy. Renal failure may appear later, and urine flow should be monitored and sustained if possible. Desflurane should not be used in subjects known to be susceptible to MH. Fatal outcome of malignant hyperthermia has been reported with desflurane.

Perioperative Hyperkalemia

Use of inhaled anaesthetic agents including desflurane, has been associated with rare increases in serum potassium levels that have resulted in cardiac arrhythmias, some fatal, in patients during the postoperative period. Patients with latent as well as overt muscular dystrophies, particularly Duchenne muscular dystrophy appear to be most vulnerable. Concomitant use of suxamethonium has been associated with most, but not all, of these cases. These patients also experienced significant elevations in serum creatinine kinase levels and, in some cases, changes in urine consistent with myoglobinuria. Despite the similarity in presentation to malignant hyperthermia, none of these patients exhibited signs or symptoms of muscle rigidity or hypermetabolic state.

Early and aggressive intervention to treat the hyperkalaemia and resistant arrhythmias is recommended, as is subsequent evaluation for latent neuromuscular disease.

Paediatric Inhalation Induction

Desflurane is not indicated for use as an inhalation induction agent in children and infants because of the frequent occurrence of cough, breath holding, apnoea, laryngospasm and increased secretions.

Use in Children with Bronchial Hyperreactivity

Desflurane should be used with caution in children with asthma or a history of recent upper airway infection due to the potential for airway narrowing and increases in airway resistance.

Maintenance of Anaesthesia in Children

Due to the limited data available, desflurane is not approved for maintenance of anaesthesia in children 12-18 years of age.

Due to the limited data available in non-intubated paediatric patients, desflurane is not approved for maintenance of anaesthesia in non-intubated children.

Caution should be exercised should desflurane be used for maintenance anaesthesia with laryngeal mask airway (LMA) in children, in particular for children 6 years old or younger, because of the increased potential for adverse respiratory reactions e.g. coughing and laryngospasm, especially with removal of the LMA under deep anaesthesia.

Emergence from anaesthesia in children may evoke a brief state of agitation that may hinder cooperation.

Obstetrics

Due to the limited number of patients studied, the safety of desflurane has not been established for use in obstetric procedures. Desflurane is a uterine-relaxant and reduces the uterine-placental blood-flow. (See section 4.6)

QT Prolongation

QT prolongation, very rarely associated with torsade de pointes, has been reported (see section 4.8). Caution should be exercised when administering desflurane to susceptible patients.

Precautions:

With the use of halogenated anaesthetics, disruption of hepatic function, icterus and fatal liver necrosis have been reported: such reactions appear to indicate hypersensitivity. As with other halogenated anaesthetic agents, desflurane may cause sensitivity hepatitis in patients who have been sensitized by previous exposure to halogenated anaesthetics. Cirrhosis, viral hepatitis or other pre-existing hepatic disease may be a reason to select an anaesthetic other than a halogenated anaesthetic.

Desflurane, as other volatile anaesthetics, may produce a dose-dependent increase in cerebrospinal fluid pressure (CSFP) when administered to patients with space occupying lesions. In such patients, desflurane should be administered at 0.8 MAC or less, and in conjunction with a barbiturate induction and hyperventilation (hypocapnia) until cerebral decompression in patients with known or suspected increases in CSFP. Appropriate attention must be paid to maintain cerebral perfusion pressure.

In patients with coronary artery disease, maintenance of normal hemodynamics is important to avoid myocardial ischemia. Marked increases in pulse rate, mean arterial pressure and levels of epinephrine and norepinephrine are associated with a rapid increase in desflurane concentrations. Desflurane should not be used as the sole agent for anesthetic induction in patients at risk of coronary artery disease or in patients where increases in heart rate or blood pressure are undesirable. It should be used with other medications, preferably intravenous opioids and hypnotics.

During maintenance of anaesthesia, increases in heart rate and blood pressure occurring after rapid incremental increases in end-tidal concentration of desflurane may not represent inadequate anaesthesia. The changes due to sympathetic activation resolve in approximately 4 minutes. Increases in heart rate and blood pressure occurring before or in the absence of a rapid increase in desflurane concentration may be interpreted as light anaesthesia.

Hypotension and respiratory depression increase as anaesthesia is deepened.

As with other rapid-acting anesthetic agents, rapid emergence with desflurane should be taken into account in cases where post-anaesthesia pain is anticipated. Care should be taken that appropriate analgesia has been administered to the patient at the end of the procedure or early in the post-anaesthesia care unit stay.

4.5 Interaction with other medicinal products and other forms of interaction

Concentration of other gases

The MAC for desflurane is reduced by concomitant N2O administration. (see Table 1)

Non-depolarizing and depolarizing muscle relaxants

Commonly used muscle relaxants are potentiated by desflurane.

Anaesthetic concentrations of desflurane at equilibrium reduce the ED95 of suxamethonium by approximately 30% and that of atracurium and pancuronium by approximately 50% compared to N2O/opioid anaesthesia. The doses of pancuronium, atracurium, suxamethonium and vecuronium needed to produce 95% (ED95) depression in neuromuscular transmission at different concentrations of desflurane are given in Table 2. With the exception of vecuronium, these doses are similar to isoflurane. The ED95 of vecuronium is 14% lower with desflurane than isoflurane. Additionally, recovery from neuromuscular blockade is longer with desflurane than with isoflurane.

Table 2 - Dosage (mg/kg) of muscle relaxant causing 95% depression in neuromuscular transmission

Desflurane Concentration	Pancuronium	Atracurium	Suxamethonium	Vecuronium
0.65 MAC/ 60%N ₂ O/O ₂	0.026	0.133	*NA	*NA
1.25 MAC/ 60%N ₂ O/O ₂	0.018	0.119	*NA	*NA
1.25 MAC/O ₂ 100% O ₂	0.022	0.120	0.360	0.019

*NA = not available

Pre-anaesthetic Drugs

No clinically significant adverse interactions with commonly used pre-anaesthetic drugs, or drugs used during anaesthesia (intravenous agents, and local anaesthetic agents) were reported in clinical trials. The effect of desflurane on the disposition of other drugs has not been determined.

Sedatives

Patients anaesthetised with different concentrations of desflurane who received increasing doses of fentanyl showed a marked reduction in the anaesthetic requirements or MAC. The administration of increasing doses of intravenous midazolam showed a small reduction in MAC. Results are reported in Table 3. These MAC reductions are similar to those observed with isoflurane. It is anticipated that there will be a similar influence on MAC with other opioid and sedative drugs.

Table 3: Effect of Fentanyl or Midazolam on Desflurane MAC

*MAC (%) %MAC Reduction

No Fentanyl	6.33 - 6.35	-
Fentanyl (3 mcg/kg)	3.12 - 3.46	46 - 51
Fentanyl (6 mcg/kg)	2.25 - 2.97	53 - 64
No Midazolam	5.85 - 6.86	-
Midazolam (25 mcg/kg)	4.93	15.7

Midazolam (50 mcg/kg) 4.88 16.6

* Includes values for ages 18 - 65 years

4.6 Fertility, pregnancy and lactation

Due to the limited number of patients studied, the safety of desflurane has not been established for use in obstetric procedures. Desflurane is a uterine relaxant and reduces the uterine-placental blood-flow.

There are no adequate data from the use of desflurane in pregnant or lactating women, therefore desflurane is not indicated for use during pregnancy and lactation. (see section 5.3).

4.7 Effects on ability to drive and use machines

There is no information on the effects of desflurane on the ability to drive or operate machinery. However, patients should be advised that the ability to perform tasks such as driving or operation of machinery may be impaired after general anaesthesia, and it is advisable to avoid such tasks for a period of 24 hours.

4.8 Undesirable effects

As with all potent inhaled anaesthetics desflurane may cause dose-dependent cardio-respiratory depression. Most other adverse events are mild and transient. Nausea and vomiting have been observed in the postoperative period, common sequelae of surgery and general anaesthesia, which may be due to inhalational anaesthetic, other agents administered intraoperatively or post-operatively and to the patient's response to the surgical procedure.

ADR frequency is based upon the following scale:

Very Common ($\geq 1/10$);

Common ($\geq 1/100 - < 1/10$),

Uncommon ($\geq 1/1,000 - < 1/100$),

Rare ($\geq 1/10,000 - < 1/1,000$),

Very Rare ($< 1/10,000$),

Unknown (adverse reactions reported in the post-marketing experience)

	Adverse Reactions	
System Organ Class (SOC)	Preferred MedDRA Term	Frequency
INFECTIONS AND INFESTATIONS	Pharyngitis	Common
BLOOD AND THE LYMPHATIC SYSTEM DISORDERS	Coagulopathy	Unknown
METABOLISM AND NUTRITION DISORDERS	Hyperkalemia	Unknown
	Hypokalemia	Unknown
	Metabolic acidosis	Unknown
PSYCHIATRIC DISORDERS	Breath holding⁺	Common
	Agitation	Uncommon
	Delirium	Unknown
NERVOUS SYSTEM DISORDERS	Headache	Common
	Dizziness	Uncommon
	Convulsions	Unknown
EYE DISORDERS	Conjunctivitis	Common
	Ocular icterus	Unknown
CARDIAC DISORDERS	Nodal arrhythmia	Common
	Bradycardia	Common
	Tachycardia	Common
	Hypertension	Common
	Myocardial infarction	Uncommon
	Myocardial ischemia	Uncommon
	Arrhythmia	Uncommon
	Cardiac arrest	Unknown
	Torsade de pointes	Unknown
	Ventricular failure	Unknown

	Ventricular hypokinesia Atrial Fibrillation Electrocardiogram QT prolonged	Unknown Unknown Unknown
VASCULAR DISORDERS	Vasodilation Malignant hypertension Hemorrhage Hypotension Shock	Uncomm on Unknown Unknown Unknown Unknown
RESPIRATORY, THORACIC, AND MEDIASTINAL DISORDERS	Apnea⁺ Cough⁺ Laryngospasm* Hypoxia⁺ Respiratory arrest Respiratory failure Respiratory distress Bronchospasm Hemoptysis	Comm on Comm on Comm on Uncomm on Unknown Unknown Unknown Unknown Unknown
GASTROINTESTINAL DISORDERS	Vomiting⁺ Nausea⁺ Salivary hypersecretion⁺ Pancreatitis acute Abdominal pain	Very Comm on Very Comm on Comm on Unknown Unknown
HEPATOBIILIARY DISORDERS	Hepatic failure Hepatic necrosis Hepatitis Cytolytic hepatitis Cholestasis Jaundice Hepatic function abnormal Liver disorder	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown
SKIN AND SUBCUTANEOUS TISSUE DISORDER	Urticaria Erythema	Unknown Unknown
MUSCULOSKELETAL, CONNECTIVE TISSUE AND BONE DISORDERS	Myalgia Rhabdomyolysis	Uncomm on Unknown
GENERAL DISORDERS AND ADMINISTRATION SITE CONDITIONS	Hyperthermia malignant Asthenia Malaise	Unknown Unknown Unknown
INVESTIGATIONS	Increased creatinine phosphokinase ECG abnormal Electrocardiogram ST-T change Electrocardiogram T wave inversion Transaminases increased Alanine aminotransferase increased Aspartate aminotransferase increased Blood bilirubin increased Coagulation test abnormal Ammonia increased Increased blood glucose levels	Comm on Comm on Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown
INJURY, POISONING, AND PROCEDURAL COMPLICATIONS§	Agitation postoperative Dizziness Migraine Tachyarrhythmia Palpitations Eye burns Blindness transient Encephalopathy Ulcerative keratitis Ocular hyperemia	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown

	Visual acuity reduced	Unknown
	Eye irritation	Unknown
	Eye pain	Unknown
	Fatigue	Unknown
	Accidental exposure	Unknown
	Skin burning sensation	Unknown
	Drug administration error	Unknown

* reported during induction with desflurane

+ reported during induction and maintenance with desflurane

§ All of reactions categorized within this SOC were accidental exposures to non-patients

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

Ireland

HPRA Pharmacovigilance

Website : www.hpra.ie

4.9 Overdose

Symptoms and treatment of overdosage

The symptoms of overdosage of desflurane can present as a deepening of anesthesia, cardiac and/or respiratory depression in spontaneously breathing patients, and cardiac depression in ventilated patients in whom hypercapnia and hypoxia may occur only at a late stage.

In the event of overdosage or what may appear to be overdosage, the following actions should be taken:

1. Discontinue or minimize exposure to desflurane
2. Establish an airway and initiate assisted or controlled ventilation with 100% oxygen.
3. Support and maintain adequate hemodynamics

5 PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Desflurane is one of a family of halogenated methylethylethers which are administered by inhalation producing a dose-related, reversible loss of consciousness and of pain sensations, suppression of voluntary motor activity, modification of autonomic reflexes and sedation of respiration and the cardiovascular system. Other members of the series include enflurane and its structural isomer isoflurane which are halogenated with chlorine as well as fluorine.

Desflurane is halogenated exclusively with fluorine. As suggested by its structure, the low blood/gas partition coefficient of desflurane (0.42) is lower than that of other potent inhaled anaesthetics such as isoflurane (1.4) and even lower than that of nitrous oxide (0.46). These data explain the rapid recovery from desflurane anaesthesia. Animal studies showed a more rapid induction and recovery from anaesthesia than for isoflurane, with a similar cardiorespiratory profile.

Clinical studies, however, could not uniformly confirm these data on more rapid recovery with desflurane. There were no signs of epileptogenic or other untoward effects on EEG, and adjuvant drugs produced no unanticipated or toxic EEG responses during anaesthesia with desflurane.

Studies in pigs bred to be susceptible to malignant hyperthermia (MH) indicated that desflurane is a potential trigger for MH.

The pharmacological effect is proportional to the inspired concentration of desflurane. The main adverse effects are extensions of the pharmacological action.

5.2 Pharmacokinetic properties

a. General characteristics

As predicted from its physicochemical profile, pharmacokinetic studies in animals as in man indicate that desflurane washes into the body more rapidly than other volatile anaesthetic agents, suggesting a more rapid induction of anaesthesia. It also washes out of the body more rapidly, allowing quick recovery and flexibility in adjustment of the depth of anaesthesia. Desflurane is eliminated via the lungs, undergoing only minimal metabolism (0.02%).

b. Characteristics in patients

MAC decreases with increasing age. A reduction of dosage is recommended in hypovolaemic, hypotensive and debilitated patients, as discussed under Special Warnings and Special Precautions (4.4).

5.3 Preclinical safety data

In swine, desflurane does not sensitize the myocardium to exogenously administered adrenaline. Desflurane appears to produce coronary vasodilation at arteriolar level in selected animal models, in a similar fashion to that of isoflurane. In an animal model simulating coronary artery disease with conscious, chronically instrumented dogs, desflurane does not appear to divert blood from collateral dependent myocardium to normally perfused areas ("coronary steal"). Clinical studies to date evaluating myocardial ischaemia, infarction and death as outcome parameters have not established that the coronary arteriolar property of Suprane (desflurane) is associated with coronary steal or myocardial ischaemia in patients with coronary artery disease.

Published studies in animals (including primates) at doses resulting in light to moderate anaesthesia demonstrate that the use of anaesthetic agents during the period of rapid brain growth or synaptogenesis results in cell loss in the developing brain that can be associated with prolonged cognitive deficiencies. The clinical significance of these nonclinical findings is not known. A detailed experimental program including in vivo and in vitro studies, did not result in any indication of mutagenic properties of desflurane.

No teratogenic effect was observed in rats or rabbits at approximately 10 and 13 cumulative MAC hour desflurane exposures during organogenesis. Embryo-toxicity, probably due to the pharmacological effect of desflurane on the dams, was seen at maternally toxic exposures.

6 PHARMACEUTICAL PARTICULARS

6.1 List of excipients

None.

6.2 Incompatibilities

Not applicable.

6.3 Shelf life

Three years.

6.4 Special precautions for storage

Store in upright position with cap firmly in place.

This medicinal product does not require any special temperature storage conditions.

6.5 Nature and contents of container

Suprane is presented in glass or aluminium bottles.

o Glass bottles: Type III amber glass bottles with a protective PVC coating, containing 240ml of desflurane.

o Aluminium bottles: an aluminium bottle that is internally coated with an epoxyphenolic resin, containing 240ml of desflurane.

The bottle is closed with a crimped-on valve directly compatible with the filling port of the desflurane vaporizer and cap.

6.6 Special precautions for disposal of a used medicinal product or waste materials derived from such medicinal product and other handling of the product

See under section 4.2, Posology and Method of Administration.

Any discarded anaesthetic should be collected in a glass or plastic container, which can be sealed and disposed of through the hospital's waste disposal service.

7 MARKETING AUTHORISATION HOLDER

Baxter Holding B.V.
Kobaltweg 49
3542CE Utrecht
Netherlands

8 MARKETING AUTHORISATION NUMBER

PA2299/023/001

9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Date of first authorisation: 16 December 1999
Date of last renewal: 16 December 2009

10 DATE OF REVISION OF THE TEXT

March 2024