**Equation for vapor pressure calculation:**

\[ \text{Vapor Pressure} = A + B(T - 273.16) \]

where:
- \( A \) = 36.72
- \( B \) = 1,436

**Specific gravity @ 20°C:**
- 1.496

**Molecular weight:**
- 110.8

**Lower limit of flammability:**
- None

**Upper limit of flammability:**
- 9.5

**Minimum alveolar concentration (MAC):**
- 1.6

**Isofoflurane anesthetic gas in horses and dogs**

**INFORMATION**

IsoFlo (isoflurane, USP) is used for induction and maintenance of general anesthesia in horses and dogs. ISOFLUORANE contains no stabilizer. Nothing in the drug product alters calibration or operation of vaporizers.

**INDICATIONS**

IsoFlo (isoflurane, USP) is used for induction and maintenance of general anesthesia in horses and dogs.

**CLINICAL PHARMACOLOGY**

A. Isoflurane is an isofluorane isomer of propofol, a volatile anesthetic. It is a rapidly acting, potent anesthetic agent used for induction and maintenance of general anesthesia. Isoflo is in the family of halogenated hydrocarbons (1-chloro-2,2,2-trifluoroethyl difluoromethyl ether).

B. Isoflurane has a mildly pungent, musty, ethereal odor. Samples stored in direct sunlight in the presence of soda lime or calcium oxide may absorb a measurable amount of water, resulting in a slight decrease in vapor pressure. Isoflo like some other inhalational anesthetics, can react with desiccated carbon dioxide to produce carbon monoxide which may result in elevated arterial carbon dioxide pressure.

C. Isoflurane contains no stabilizer. Nothing in the drug product alters calibration or operation of vaporizers.

**HOW SUPPLIED**

Isoflo is supplied in amber, unmarked, 250-mL and 1,000-mL vials. It is supplied in a proprietary aerosol canister for use in the veterinary anesthesia machine. The 250-mL vials contain 100 PVFV of isofoflurane and the 1,000-mL vials contain 400 PVFV of IsoFlo.

**STORAGE & STABILITY**

Store unopened vials at room temperature 15° to 30°C (59° to 86°F). Once reconstituted, Isoflo may be used for 24 hours or until product has been depleted. Once Isoflo is reconstituted, take all precautions to prevent product loss from the vaporizer reservoir.

**REFERENCES**

 IsoFlo (isoflurane, USP) is used for induction and maintenance of general anesthesia in

**CONTRAINDICATIONS**

 IsoFlo (isoflurane, USP) is contraindicated in horses and dogs with known sensitivity to

**WARNINGS**

 Isoflurane contains no stabilizer. Nothing in the drug product alters calibration or operation of

**CLINICAL PHARMACOLOGY**

 Isoflurane is a clear, colorless, stable liquid containing no additives or chemical stabilizers.

**HOW SUPPLIED**

 IsoFlo (isoflurane, USP) is packaged in 100 mL and 250 mL amber-colored bottles.

**REFERENCES**

 4. van de Stadt, J. and van der Linden, R. 1976.
 5. van de Stadt, J. and van der Linden, R. 1976.