

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Contact information

General

Distributor:
Parnell Technologies Pty Ltd
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476 Gardeners Road, NSW 2015
Australia

Distributor:
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Emergency telephone number

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Product identifier

Sevoflurane - Inhalation Anesthetic For Dogs

Relevant identified uses of the substance or mixture and uses advised against

Sevoflurane is a volatile anesthetic that provides hypnosis, amnesia, analgesia, akinesia, and autonomic blockade during surgical and procedural interventions. This activity describes the mode of action of sevoflurane and highlights the role of the interprofessional team in the safe administration of anesthesia.

Note

The pharmacological, toxicological, and ecological properties of this material and/ or its ingredients have not been fully characterized and it should only be handled by technically qualified individuals. Exposure by any route should be minimized. Exercise due care: wear suitable protective clothing, gloves, and eye/face protections.

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance

Classification according to GHS Regulation

Specific target organ toxicity - single exposure (STOT SE) - Category 3 – H336

Reproductive toxicity - Category 2 – H361

Label elements

Hazard Pictogram



Signal word

Warning

Hazard statements

H336 May Cause Drowsiness or dizziness
 H361 Suspected of damaging fertility or unborn child

Precautionary statements

P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302 + P352 IF ON SKIN: wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P332 + P313 IF SKIN irritation occurs: Get medical advice/attention
 P337 + P313 IF eye irritation persists: Get medical advice/attention.

Other Hazards

No data available.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Substance

Chemical name	CAS-No.	Concentration (% w/w)
Sevoflurane	28523-86-6	<=100

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

Immediate Medical Attention Needed If you feel unwell, seek medical advice.

Eye Contact If easy to do, remove contact lenses, if worn. Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.

Skin Contact Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.

Inhalation Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. Immediately notify medical personnel and supervisor.

Ingestion Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.

Protection of first aid responders Avoid contact with skin, eyes, and clothing. See Section 8 for Exposure Controls/Personal Protection recommendations.

Most important symptoms and effects, both acute and delayed	<p>Skin contact may provoke the following symptoms:</p> <p>Skin irritation</p> <p>Eye contact may provoke the following symptoms.</p> <p>Eye irritation</p> <p>Inhalation may provoke the following symptoms:</p> <p>Respiratory tract irritation</p> <p>Cough</p>
Indication of immediate medical attention and special treatment needed, if necessary	<p>Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.</p>

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media	<p>Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for local circumstances and the surrounding environment.</p>
Specific hazards arising from the substance or mixture	<p>No information identified. May emit carbon monoxide, carbon dioxide, and oxides of sulfur and/or nitrogen, and/or other fluorine-, sulfur-, or nitrogen-containing compounds. Exposure to combustion products may be a hazard to health.</p>
Flammability/Explosivity	<p>No information identified. High concentrations of finely divided organic particles can explode if ignited.</p>
Unsuitable extinguishing media	<p>None known.</p>
Special protective equipment for fire-fighters	<p>Wear full protective clothing and a NIOSH-approved (or equivalent) self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode. Decontaminate all equipment after use.</p>

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	<p>If substance is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment (see Section 8). Area should be adequately ventilated.</p>
Environmental precautions	<p>Avoid emptying into drains and release to the environment, prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water (see Section 12).</p>
Methods and material for containment and cleaning up	<p>Surround spill with absorbents and place a damp cloth. Add excess liquid to allow the material to enter solution. Capture remaining liquid onto spill absorbents. Place spilled materials into a leak-proof container suitable for disposal in. Local or national regulations may apply to the release and disposal of this material, as well as those materials and items employed in.</p> <p>Keep in suitable, closed containers for disposal.</p> <p>Wipe up with absorbent material (e.g. cloth, fleece) (see section 13). Decontaminate the area.</p>

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.
Conditions for safe storage including any incompatibilities	Store in a closed container. Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	None Known
Packaging material	Unsuitable material: None known
Specific end use(s)	No information identified.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Note	Wash hands, face, and other potentially exposed areas immediately in the event of physical contact.
Control Parameters/Occupational Exposure Limit Values	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure/Engineering controls	Selection and use of containment devices and personal protective equipment should be based on a risk assessment of exposure potential.
Respiratory protection	None Known.
Hand protection	Wear nitrile or other impervious gloves if skin contact is possible.
Skin protection	Wear disposable coveralls appropriate to the task, booties, and safety glasses with side shields. Ensure gloves are protective against solvents in use. Protective garments (coveralls, disposable coveralls, lab coats) are not to be worn in common areas (e.g., cafeterias) or out-of-doors. Employees must be trained in proper gowning and de-gowning practices.
Eye/face protection	Wear safety glasses with side shields, chemical splash goggles, or full-face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
Environmental Exposure Controls	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.
Other protective measures	Wash hands in the event of contact with this substance, especially before eating, drinking, or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors). Decontaminate all protective equipment following use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear liquid
Color	Colorless
Odor	No information identified.
Odor threshold	No information identified.
pH	No information identified.
Melting point/freezing point	<25 °C
Initial boiling point and boiling range	58°C
Flash point	58°C
Evaporation rate	No information identified.
Flammability (solid, gas)	Non-flammable liquid.
Upper/lower flammability or explosive limits	No information identified.
Vapor pressure	No information identified.
Vapor density	No information identified.
Relative density	No information identified.
Water solubility	Practically insoluble in water.
Solvent solubility	Miscible with alcohol, with chloroform, and with ether.
Partition coefficient (<i>n</i>-octanol/water)	No information identified
Auto-ignition temperature	No information identified.
Decomposition temperature	No information identified.
Viscosity	No information identified.
Explosive properties	No information identified.
Oxidizing properties	No information identified.
Other information	
Molecular formula	No information identified.
Molecular weight	No information identified.
Density	1.505 g/mL

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard.
Chemical stability	No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reactions	Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
Conditions to avoid	No information identified.
Incompatible materials	No information identified.
Hazardous decomposition products	No information identified.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Route of entry	May be exposed <i>via</i> ingestion, inhalation, or skin contact.
Acute toxicity	LD ₅₀ Oral - Rat - 10.800 mg/kg Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to algae/aquatic plants No data available

Toxicity to fish (Chronic toxicity) No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods Dispose of wastes in accordance to prescribed federal, state, and local guidelines, e.g., appropriately permitted chemical waste incinerator. Do not let down the drain or flush down the toilet. All waste containing the material should be properly labeled. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner, e.g., appropriately permitted municipal or on-site wastewater treatment facility. Follow all applicable regional, national, and local laws.

SECTION 14 - TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : Not applicable
 Proper shipping name : Not applicable
 Class : Not applicable
 Subsidiary risk : Not applicable
 Packing group : Not applicable
 Labels : Not applicable

IATA-DGR

UN/ID No. : Not applicable
 Proper shipping name : Not applicable
 Class : Not applicable
 Subsidiary risk : Not applicable
 Packing group : Not applicable
 Labels : Not applicable
 Packing instruction (cargo aircraft) : Not applicable

Packing instruction : Not applicable
(passenger aircraft)

IMDG-Code

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Hazchem Code : Not applicable

49 CFR Road

Not regulated as a dangerous good

ADG

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Hazchem Code : Not applicable

TDG

Not regulated as a dangerous good
TRANSPORT GHAZARD ADR- 6.1
RID- 6.1
IMD
IRTA

SECTION 15 - REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

This SDS generally complies with the requirements listed under current guidelines in the USA, Australia, New Zealand, and Canada.

Chemical safety assessment Not conducted.

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SARA 311/312 Hazards:

No Hazards category to report.

Massachusetts Right to Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know Components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:

Not listed.

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated (Please use the original publication of the SUSMP to check for specific uses, specific conditions or threshold limits that might apply for this chemical)

Prohibition/Licensing Requirements : There is no applicable prohibition, authorisation, and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

DSL : This product contains components that are not listed on the Canadian DSL nor NDSL.

HSNO Approval Number

Not applicable

HSW Controls

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

SECTION 16 - OTHER INFORMATION

Full text of H phrases and GHS classifications	No information identified.
Sources of data	Information from published literature and internal company data.
Abbreviations	ACGIH - American Conference of Governmental Industrial Hygienists; ADR/RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road/Rail; AIHA - American Industrial Hygiene Association; CAS# - Chemical Abstract Services Number; CLP - Classification, Labelling, and Packaging of Substances and Mixtures; DNEL - Derived No Effect Level; DOT - Department of Transportation; EINECS - European Inventory of New and Existing Chemical Substances; ELINCS - European List of Notified Chemical Substances; EU - European Union; GHS - Globally Harmonized System of Classification and Labeling of Chemicals; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System
Revision Date	10/22/2024
Disclaimer	<p>The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions.</p> <p>No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material because it is a pharmaceutical product. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.</p>