

# Material Safety Data Sheet

## Sevotek

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

#### 1.1 Product identification

Product name(s): Sevotek  
 Product code(s): XVD 015

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

Relevant identified uses: Veterinary medicinal product  
 Uses advised against: Not for human use. Refer to the product information leaflet  
 Reasons why uses advised against: Refer to the product information leaflet

#### 1.3 Details of the supplier of the safety data sheet

Company name: Animalcare Limited  
 Address: 10 Great Northway  
 York Business Park  
 Nether Poppleton  
 York  
 YO26 6RB  
 United Kingdom

#### 1.4 Emergency telephone number

Daytime: +44 (0) 1904 487687

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008: This is a veterinary medicinal product authorised under the provisions of Directive 2001/82/EC. Classification of this substance/mixture is not required according to point 11 of the preamble in Regulation EC 1272/2008.

#### 2.2 Label elements

Labelling according to Regulation (EC) 1272/2008: This is a veterinary medicinal product authorised under the provisions of Directive 2001/82/EC. Label elements for this substance/mixture is not required according to point 11 of the preamble in Regulation EC 1272/2008.

Hazard pictograms: Not classified  
 Signal word: Not classified  
 Hazard statements: Not classified  
 Precautionary statements: Not classified  
 Supplemental information: Anesthetic drug: may cause central nervous system and cardiovascular system effects

#### 2.3 Other hazards

Hazard(s) not otherwise classified (HNOC): None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

<i>Substance name in the mixture</i>	<i>CAS No</i>	<i>Quantity</i>
Sevoflurane	[28523-86-6]	100%

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>Eyes:</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists
<b>Skin:</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse
<b>Ingestion:</b>	Rinse mouth. Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control centre immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions
<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell

### 4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain

### 4.3 Indication of any immediate medical attention and special treatment needed

See patient package insert in shipping carton for complete information.  
Anesthetic drug: may cause central nervous system and cardiovascular system effects. Monitor respiratory, cardiac and central nervous system. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: FIRE- FIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable extinguishing media:</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire

### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards during firefighting:</b>	During fire, gases hazardous to health may be formed. Fine particles (such as dust and mists) may fuel fires/explosions
<b>Hazardous combustion products:</b>	Decomposition products may include the following materials: Carbon oxides (CO <sub>x</sub> ), nitrogen oxides (NO <sub>x</sub> )

### 5.3 Advice for fire-fighters

<b>Special protective equipment for firefighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
<b>Further information:</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Fire may produce toxic or corrosive gases. Vapours may ignite. Fine particles (such as mists) may fuel fires/explosions

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Advice for non-emergency personnel:</b>	Wear appropriate protective equipment and clothing during clean-up. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Ventilate the contaminated area. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS
<b>Advice for emergency responders:</b>	If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials

### 6.2 Environmental precautions

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 6.3 Methods and material for containment and cleaning up

<b>Small spills:</b>	Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination
<b>Large spills:</b>	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water

### 6.4 Reference to other sections

See Section 1 for emergency contact information  
See section 8 for personal protection  
See Section 13 for additional waste treatment information

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

<b>Advice on safe handling:</b>	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Use only with adequate ventilation. Wear personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Use care in handling/storage. Should be handled in closed systems, if possible. Avoid release to the environment
<b>Hygiene measures:</b>	Wash thoroughly after handling

### 7.2 Conditions for safe storage, including any incompatibilities

<b>Requirements for storage areas and containers:</b>	Keep out of reach of children. Keep in the original packaging. Keep container tightly closed
<b>Storage temperature:</b>	Store between 15-30 °C
<b>Further information on storage conditions:</b>	Keep in a dry, cool and well-ventilated place

### 7.3 Specific end use(s)

Recommendations: Read the Product Information Leaflet before use

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV, TWA or other recommended exposure limit. At this time, none of the constituents have known exposure limits

### 8.2 Exposure controls

<b>Engineering measures:</b>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants
<b>Individual protection measures:</b>	
<b>Hygiene measures:</b>	No specific measures identified
<b>Eye/face protection:</b>	If contact is likely, safety glasses with side shields are recommended
<b>Skin/body protection:</b>	Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas
<b>Hand protection:</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier
<b>Respiratory protection:</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is recommended as a precaution to minimize exposure. Chemical respirator with organic vapor cartridge and full facepiece
<b>Environmental exposure controls:</b>	Consider the provision of containment around storage vessels

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour:</b>	Clear, colourless
<b>Odour:</b>	Ether like
<b>Odour threshold:</b>	No data available
<b>pH:</b>	7 – 7.5
<b>Density:</b>	No data available
<b>Melting point:</b>	No data available
<b>Boiling point:</b>	58.6C
<b>Flash point:</b>	Non flammable
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Water solubility:</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Thermal decomposition:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Vapour pressure:</b>	21 kPa @ 20C/68F; 157 mm Hg @ 20C/68F; 197 mm Hg @ 25C/77F
<b>Vapour density:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	The substance or mixture is not classified as oxidizing

### 9.2 Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under normal conditions of normal use

### 10.4 Conditions to avoid

Contact with incompatible materials. Keep away from heat, sparks, flame and all other sources of ignition. Protect from sunlight

### 10.5 Incompatible materials

Strong oxidizing agents. Strong acids. Bases. Alkali metals

### 10.6 Hazardous decomposition products

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Hydrogen fluoride. Carbon oxides. fluorine

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity:</b>	Substance LC <sub>50</sub> 28800 ppm (Rat, 3hours) Substance LD <sub>50</sub> 10800 mg/kg (Rat, oral)
<b>Chronic toxicity:</b>	No data available
<b>Skin irritation/sensitization:</b>	Causes skin irritation
<b>Reproductive toxicity:</b>	No data available
<b>Carcinogenicity:</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. No drug related carcinogenic/tumorigenic effects based on animal data
<b>Mutagenicity:</b>	No data available

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

EC50 Daphnia magna (Water Flea) 48 mg/l, 48 hours  
IC50 Pseudokirchneriella subcapitata (Green Alga > 100 mg/l, 72 hours)

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

## 12.6 Other adverse effects

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers

## SECTION 14: TRANSPORT INFORMATION

UN number UN3334

UN proper shipping name Aviation regulated liquid, n.o.s. (Sevoflurane)

Transport hazard class(es)

Class 9

Subsidiary risk -

Packing group III

Environmental hazards: No

Special precautions for user: Read safety instructions before handling.

IMDG: Not regulated as dangerous goods.

Transport in bulk according to: Not established.

Annex II of MARPOL 73/78 and the IBC Code

IATA



Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

## SECTION 15: REGULATORY INFORMATION

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

This product has been authorised under the provisions of Directive 2001/82/EC

### 15.2 Chemical safety assessment

For this product, a chemical safety assessment was not carried out

## SECTION 16: OTHER INFORMATION

For animal treatment only

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of their use

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