

# SAFETY DATA SHEET

## Nobilis<sup>®</sup> Rismavac + CA126

### Section 1: Identification of the Substance and Supplier

<b>Product name</b>	Nobilis Rismavac + CA126
<b>Recommended use</b>	Vaccine for veterinary use in poultry.
<b>Company details</b>	<b>Schering-Plough Animal Health Ltd</b> 33 Whakatiki Street, Upper Hutt 5018, New Zealand  Phone: 0800 800 543 – Fax: 0800 808 100 Website: <a href="http://www.msd-animal-health.co.nz">www.msd-animal-health.co.nz</a> Hours: 8 am – 5 pm, Mon – Fri
<b>Emergency telephone</b>	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
<b>Date of preparation</b>	April 2019

### Section 2: Hazards Identification

<b>Hazard classifications</b>	9.3C: Vertebrate ecotoxicant
<b>GHS Pictogram:</b>	No pictogram required
<b>Signal word</b>	No signal word
<b>Hazard statement</b>	H433: Harmful to terrestrial vertebrates.
<b>Prevention statement</b>	P102: Keep out of the reach of children. P103: Read label before use. P273: Avoid release to the environment.
<b>Response statement</b>	No information available
<b>Disposal</b>	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

### Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
<b>VACCINE</b>		
Chicken Herpes Virus Strain CV1988 (live)	-	$\geq 3.0 \log_{10}$ TCID <sub>50</sub> per bird dose of cell associated virus
Turkey Herpes Virus strain FC 126 (living)	-	$\geq 3.0 \log_{10}$ TCID <sub>50</sub> per bird dose of cell associated virus
Dimethyl Sulfoxide	67 – 68 – 5	7.5%

**Section 4: First Aid Measures****Necessary first aid measures**

**ACCIDENTAL SELF-INJECTION** Obtain medical attention - show this SDS. Accidental self-injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.

**SKIN CONTACT**

In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

**EYE CONTACT**

In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

**INGESTION**

Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

**Required instructions**

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

**Notes for medical personnel**

**Accidental self-injection of vaccine:** The virus is not known to replicate in mammalian cells therefore no complications are anticipated from self-injection injuries. Treat symptomatically. Some risk of hypersensitivity from injection. Contamination of the needle must be considered.

**Workplace facilities**

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

**Section 5: Fire Fighting Measures****Type of hazard**

Not classified as flammable

**Fire hazard properties**

Not applicable

**Regulatory requirements**

Not applicable

**Extinguishing media and methods**

Carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray

**Hazchem code**

None allocated.

**Recommended protective clothing**

Wear self-contained breathing apparatus (SCBA) plus protective gloves.

**Nobilis® Rismavac + CA126****Section 6: Accidental Release Measures**

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental Precautions</b>	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
<b>Emergency procedures</b>	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal.

**Section 7: Handling and Storage**

<b>Precautions for safe handling</b>	<p>Warning - leaking ampoules may explode spontaneously on removal from liquid nitrogen.</p> <p>In a confined or poorly ventilated area, nitrogen gas escaping from the canister may significantly reduce the oxygen level in the atmosphere creating the risk of asphyxiation. In such storage facilities an oxygen meter must be fitted and set to alarm at a level of 18% oxygen.</p> <p>A risk of eye injury or abrasion from exploding ampoules. Liquid nitrogen splashes may result in frost bite or cold burns. It is also a simple asphyxiant; as the gas boils off it may replace oxygen in the atmosphere.</p> <p>Protective clothing must always be worn when handling this product. Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.</p>
<b>Regulatory requirements</b>	None specified.
<b>Handling practices</b>	Avoid contact with skin. Keep containers adequately sealed and in upright position during material transfer, transport, or when not in use. (see above for additional information)
<b>Certified handlers</b>	Not required.
<b>Conditions for safe storage</b>	Do not store Dewar in wet, dirty areas. Moisture, animal waste, chemicals, strong cleaning agents and other substances which could promote corrosion should be removed promptly. Use water or mild detergent for cleaning and dry the surface thoroughly. Do not use strong alkaline or acid cleaners that could damage the finish and corrode the metal shell.
<b>Store site requirements</b>	Store ampoules in liquid nitrogen at the temperature below -150°C. Maintain nitrogen level. Store liquid nitrogen Dewar in upright position in a cool, dry well ventilated area, away from incubator intakes and chicken boxes. Do not drop.
<b>Packaging</b>	Schedule 4 (Vaccine ampoules only)

**Nobilis® Rismavac + CA126****Section 8: Exposure Control/Personal Protection**

<b>Occupational exposure limits</b>	No WES is set for this substance at this time.
<b>Application in the workplace</b>	Ensure adequate ventilation. Keep container sealed when not in use. (See handling and storage above). The oxygen content of air should be maintained at or above 19.5% by volume under normal atmospheric pressure.
<b>Exposure standards outside the workplace</b>	No TEL or EEL is set for this substance at this time
<b>Personal protection</b>	<b>Removal of ampoules from liquid nitrogen:</b> Wear a full-face visor or shield and thick, insulated and long gloves. Protective clothing with long sleeves. <b>Dilution of vaccine:</b> Single use medical gloves to be worn.
<b>Engineering controls</b>	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

**Section 9: Physical and Chemical Properties**

Appearance	Deep frozen yellow liquid in a sealed glass ampoule in liquid nitrogen
Boiling Point	Approximately 100°C
Melting/Softening point	Not applicable
Vapour Pressure	2.37 kPa at 20°C (water vapour pressure)
Specific Gravity	Not available
Solubility (H <sub>2</sub> O)	Completely soluble in water
Percent Volatiles	Not determined
Evaporation Rate	Not determined

**Section 10: Stability and Reactivity**

<b>Stability of the substance</b>	Liquid nitrogen is stable during transport. Reactive with water – heat of water will vigorously vaporise liquid nitrogen.
<b>Conditions to avoid</b>	Avoid high temperatures
<b>Material to avoid</b>	Avoid food products
<b>Hazardous decomposition products</b>	No dangerous decomposition is expected if used according to manufacturer's specifications.

# SAFETY DATA SHEET

## Nobilis<sup>®</sup> Rismavac + CA126

### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

TEL	No TEL is set for this substance at this time.
-----	--

#### Chronic/long term effects for individual ingredients only

### Section 12: Environmental Information

#### Effects for individual ingredients only.

TERRESTRIAL VERTEBRATES	Dimethyl sulfoxide: LD50 100 mg/kg bw (other avian) [EPA NZ]
EEL	No EEL is set for this substance at this time.

### Section 13: Disposal Considerations

#### Disposal information

##### Disposal

Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.

##### Container Disposal

Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.

##### Needle Disposal

Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

#### Reference

Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

#### Relevant information

Not classified as a dangerous good for transport

#### Regulatory status

HSNO Approval Code: HSR002367.  
For a full listing of controls see [www.epa.govt.nz](http://www.epa.govt.nz)

ACVM registration number: A007468.  
For conditions of registration see [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)

### Section 16: Other Information

#### Additional information

Nobilis is a registered trademark.

Schering-Plough Animal Health Ltd known as MSD Animal Health, is a subsidiary of Merck & Co., Inc., Whitehouse Station, NJ, USA. Schering-Plough urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health Limited extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).