

MSDS - Material Safety Data Sheet

Vaxsafe[®] ND Vaccine (living)

BIOPROPERTIES Pty. Ltd.

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WORK HAZARD ASSESSMENT

Not classified as hazardous to health according to criteria of Worksafe Australia

PRODUCT IDENTIFICATION

Product Name: Vaxsafe[®] ND Vaccine (living)

Other Names: ND Vaccine, Newcastle Vaccine, Newcastle Disease Vaccine (NDV4)

Product Code: 0202 NDV

UN Number: None allocated

Dangerous Goods

Class/Subsidiary Risk: None allocated

Hazchem Code: None allocated

Poisons Schedule

Number: Not scheduled

Product Type: Poultry vaccine

Chemical Family: Active ingredient consists of viable avian Newcastle Disease Virus (NDV) that has been freeze-dried in a protective buffer.

Use: As a vaccine to prevent Newcastle Disease in chickens.

Method of use: Administered via drinking water to chickens aged one week or older. The virus is intended to infect all chickens in the vaccinated flock, stimulating immune protection against wild NDV exposure.

PHYSICAL DESCRIPTION AND PROPERTIES

Appearance: Pale pink pellet of freeze-dried vaccine in a clear glass vial. The white label has a bright red strip. The closure consists of a silver tear-off aluminium crimp over a grey rubber stopper. Approved vial sizes are of 3 mL and 10 mL capacity. The 3 mL vial contains approximately 1.0-1.5 mL of vaccine, equivalent to: 1000, 2000, 3000, 4000 or 5000 doses. The 10 mL vial contains approximately 3.0-4.0 mL of vaccine, equivalent to: 5000, 10,000 or 20,000 doses.

Melting Point: Not relevant.

Boiling Point: Not relevant.

Vapour Pressure: Not relevant.

Volatile materials: Not available.

Specific Gravity: Not relevant.

Flashpoint: Not relevant.

Flammability Limits: Not relevant.

Solubility in Water: Fully miscible.

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INGREDIENTS			Worksafe Exposure Limits	
Chemical Name	CAS #	Proportion	ES-TWA mg/m ³	ES-STEL mg/m ³
Biological culture fluids (chicken embryo extracts) containing Newcastle Disease Virus.	None allocated	93.4 %	None allocated	None allocated
Other ingredients determined not to be hazardous.	None allocated	6.6 %	None allocated	None allocated

This is a commercial product and the exact ratio of components may vary. Trace quantities of impurities are also likely.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute: No evidence for humans.

Swallowed: No evidence for humans.

Eye: Following direct exposure, individuals allergic to the milk-derived buffer (see Advice to Doctor) may experience immediate irritation and inflammation. NDV infection can also occur, causing moderate conjunctivitis with symptoms developing up to 72 hours later. Flu-like symptoms may develop in association with conjunctivitis.

Skin: No evidence for humans.

Inhaled: Flu-like respiratory symptoms are possible, but rare and usually mild.

Chronic: No evidence for humans.

FIRST AID

Swallowed: Immediately rinse mouth with generous amounts of clean, fresh water. After rinsing, swallow some clean water.

Eye: Hold eyes open and gently wash material from them with clean running water. Ensure thorough irrigation under eyelids by lifting them. Do not attempt to remove contact lenses unless trained to do so.
Seek medical advice if conjunctivitis or other symptoms begin to develop.

Skin: Thoroughly wash affected area with soap and water. If irritation occurs, seek medical advice.

Inhaled: If inhaled in any way, remove person to fresh air and observe. Seek immediate medical advice if irritation or flu-like symptoms develop.

First Aid facilities: No special facilities required.

ADVICE TO DOCTOR:

Newcastle Disease is a viral disease of poultry caused by a paramyxovirus. The active ingredient of Vaxsafe[®] ND Vaccine (living) is viable Newcastle Disease Virus (NDV). It is suspended in a physiological buffer containing complex proteins derived from cow's milk. In susceptible individuals, exposure may cause allergy.

The virus is potentially zoonotic; capable of causing moderate conjunctivitis (without corneal involvement) in humans. Systemic infection with headache, chills, malaise or low-grade fever has been reported but occurs rarely. The incubation period is usually 1-2 days. There is no specific treatment for infection by NDV in humans, but all reported cases have recovered spontaneously.

Poisons Information Centre: 13 11 26 (anywhere in Australia)

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PRECAUTIONS FOR USE

Exposure Standards: No time weighted average (TWA) has been set. There is a blanket recommendation of 10 mg/m³ for inhaled dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

Engineering Controls: In industrial situations, concentrations below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Respirator Type: Wear a dust mask to prevent splash exposure. Take care when dissolving the pellet in fluid before use.

Glove type: Wear waterproof gloves that are thin enough to allow good sensitivity of touch.

Eye protection: Industrial safety glasses giving protection against splash must be worn as a general measure. See AS 1336 and AS/NZS 1337.

Clothing: Wear industrial quality overalls and boots capable of protecting against penetration of liquids. See AS 2919 and AS/NZS 2210 (Occupational Protective Footwear).

Other: Do not touch your face with contaminated hands. Always wash hands after using the product.

Wash contaminated clothing and other personal protective equipment with disinfectant before storing or re-using.

Flammability:

Fire Hazards: Not flammable under conditions of use.

Sources of ignition advice: Not relevant.

SAFE HANDLING INFORMATION

Storage and Transport:

Location: Store in a deep freeze.

Security: Keep in a secure place, away from food and children.

Ventilation: Not relevant.

Temperature

Conditions: Store at below -18 °C (deep freeze).

Protection from weather, sunlight:

As a general precaution, keep out of direct sunlight at all times.

Storage incompatibilities:

Store away from foodstuffs.

Type of Container/Package:

Clear glass vial (3 mL or 10 mL size, depending on number of doses per vial). Silver tear-off crimp closure over a grey rubber stopper.

Spills and Disposal:

Clean up spills/leaks: Treat the affected area with disinfectant or hot water (to inactivate the NDV) while preventing run off from entering drains. If a significant quantity of material enters drains, advise emergency services.

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Precautions for clean

up crew: Take care not to burn yourself or others via splashes of boiling water.

Disposal method: Mop up liquids and sweep up broken containers. Dispose of ampoules/containers by immediately placing in a designated, and appropriately labelled, 'biologicals' container. If this option is not available, bury the ampoule/container below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and roots.

Fire and Explosion Hazard:

Hazards of use/storage: Not relevant.

List of dangerous decomposition or combustion products: Not relevant.

Fire-fighting recommendations: Not relevant.

Types of Extinguisher/Fire-fighting agents: Not relevant.

Fire-fighting Precautions: Not available.

Protective clothing: Not relevant

Reactivity: Not relevant

Hazchem code: None assigned.

OTHER INFORMATION

This MSDS has been prepared in accord with the Worksafe Australia "National Code for Preparation of Material Safety Data Sheets", 1994

CONTACT POINT

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READ ALL LABELS AND INSTRUCTION LEAFLETS BEFORE USING THIS PRODUCT

WARRANTY AND DISCLAIMER:

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