

1. Identification

Product identifier AviPro® 233 ND-PMV3 Conc.
Other means of identification
 Item Code AV5130
 Synonyms Newcastle- Paramyxovirus Vaccine, Type3, Killed Virus * USDA Code 17P5.10 * KV:2820
Recommended use Veterinary Vaccine
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
 Company Name Lohmann Animal Health
 Address 375 China Road
 Winslow, Maine 04901
 USA
 Telephone (+1) 800-639-1581
 Fax (+1) 207-873-4975
 SDS E-mail lilly_msds@lilly.com
 SDS telephone (+1) 877-Elanco1 (1-877-352-6261)
 Emergency Telephone Numbers Elanco Product Technical Support / Human or Animal Exposure Reporting:
 1-888-545-5973
 Transportation Emergency Telephone: CHEMTREC 1-800-424-9300
 (Outside U.S 1-703-527-3887)

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
OSHA defined hazards Not classified.
Label elements
 Hazard symbol None.
 Signal word None.
 Hazard statement The mixture does not meet the criteria for classification.
 Precautionary statement
 Prevention Not available.
 Response Not available.
 Storage Not available.
 Disposal Not available.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Mineral Oil Emulsion		Mixture	<= 70
Antigen Material			<= 20
Formalin		50-00-0	<= 0.074

Composition comments Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Laxative effects. Abdominal pain. Diarrhea.
Indication of immediate medical attention and special treatment needed	IN CASE OF ACCIDENTAL SELF-INJECTION OF OIL EMULSION VACCINES, GET MEDICAL ATTENTION IMMEDIATELY. The victim should be immediately referred to a surgeon experienced in hand injuries. DO NOT DELAY TREATMENT. There is some direct injury to tissue at the time of injection but within 24 hours, there is usually an inflammatory response resulting in significant swelling and increasing pain. The use of an anti-inflammatory drug, such as Cortisone, should be considered.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: 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. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Formalin (CAS 50-00-0)	Ceiling	0.3 ppm

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Formalin (CAS 50-00-0)	STEL	2 ppm
	TWA	0.75 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Formalin (CAS 50-00-0)	Ceiling	0.1 ppm
	TWA	0.016 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment**Eye/face protection**

If contact is likely, safety glasses with side shields are recommended.

Skin protection**Hand protection**

Wear protective gloves.

Other

Wear suitable protective clothing.

Respiratory protection

None required where adequate ventilation conditions exist.

Thermal hazards

Not available.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties**Appearance**

Oily liquid

Physical state

Liquid.

Form

Liquid.

Color

Opaque

Odor

Odorless

Odor threshold

Not available.

pH

6.6 - 7

Melting point/freezing point

Not available.

Initial boiling point and boiling range

> 212 °F (> 100 °C)

Flash point

> 300.0 °F (> 148.9 °C) Cleveland Open Cup

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits**Flammability limit - lower (%)**

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

< 1 mm Hg

Vapor density

Not available.

Relative density

Not available.

Solubility(ies)**Solubility (water)**

Negligible

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

Material name: AviPro® 233 ND-PMV3 Conc.

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Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	0.88 - 0.96

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute toxicity	Due to lack of data the classification is not possible.
Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory or skin sensitization	
ACGIH sensitization	
Formalin (CAS 50-00-0)	Sensitizer.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Formalin (CAS 50-00-0) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Formalin (CAS 50-00-0) Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

Formalin (CAS 50-00-0) Known To Be Human Carcinogen.

Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.

12. Ecological information

Ecotoxicity	No ecotoxicity data noted for the ingredient(s).
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.
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14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations

One or more components are not listed on TSCA.
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Formalin (CAS 50-00-0)

Listed.

SARA 304 Emergency release notification

Formalin (CAS 50-00-0)

100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Formalin (CAS 50-00-0)

Cancer
Skin sensitization
Respiratory sensitization
Eye irritation
Skin irritation
respiratory tract irritation
Acute toxicity
Flammability

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Formalin (CAS 50-00-0)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Formalin (CAS 50-00-0)

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Formalin (CAS 50-00-0)

US. Massachusetts RTK - Substance List

Formalin (CAS 50-00-0)

US. New Jersey Worker and Community Right-to-Know Act

Formalin (CAS 50-00-0)

US. Pennsylvania Worker and Community Right-to-Know Law

Formalin (CAS 50-00-0)

US. Rhode Island RTK

Formalin (CAS 50-00-0)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Formalin (CAS 50-00-0)

Listed: January 1, 1988

International Inventories

Country(s) or region	Inventory name	On Inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 07-23-2015

Version # 01

Lilly Lab Code Health: 0
Fire: 0
Reactivity: 0

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