

## 1. Identification

|  |   |
|--|---|
| Product identifier                                     | Ingelvac Provenza   |
| Other means of identification                          |   |
| Product code   | APHIS Code-19A5.R2, Family Code -772  |
| Recommended use  | Veterinary vaccine  |
| Recommended restrictions                               | For use in pigs only. Not for human use.  |
| Manufacturer/Importer/Supplier/Distributor information |   |
| Manufacturer   | Boehringer Ingelheim Animal Health USA Inc.   |
| Address  | 2621 North Belt Hwy<br>St. Joseph, MO 64506-2002  |
| Transportation emergency                               | For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night<br>Within USA and Canada: 1-800-424-9300<br>Outside USA and Canada: +1 703-527-3887 (collect calls accepted) |
| Medical Emergency (24HR):                              | (866)638-2226   |
| Non-Emergency calls:                                   | (800) 821-7467  |

## 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                                | Avoid contact with eyes, skin and clothing. Wear protective gloves/eye protection. Wash hands thoroughly after handling.  |
| Response                                  | Take off contaminated clothing and wash before reuse. Wash hands after handling. If skin irritation or rash occurs, seek medical attention. If on skin: Wash with plenty of water. If swallowed: Immediately call a poison center/doctor. Get medical attention/advice if you feel unwell.  |
| Storage                                   | Store in original container. Store locked up. Do not freeze. Store at Cold Temperature—Refrigerate 2°- 8°C (36°- 46°F).   |
| Disposal                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| Hazard(s) not otherwise classified (HNOC) | None known.   |
| Supplemental information                  | Wear appropriate personal protective equipment to avoid inhalation and contact with eyes and skin. For more information on personal protective equipment, consult current OSHA guidance for Commercial Swine Farmers and Pork Producers. Wash hands thoroughly after handling.<br><br>It is recommended that immunocompromised individuals not handle or otherwise be exposed to this product. Pregnant women should consult their medical practitioner before working with this product. |

## Supplemental information

For further information regarding influenza and recommended practices at swine facilities, please consult the following publications:

- CDC Interim Guidance for Workers who are Employed at Commercial Swine Farms: Preventing the Spread of Influenza A Viruses (<https://www.cdc.gov/flu/swineflu/guidance-commercial-pigs.htm>)
- People at High Risk of Developing Flu–Related Complications: ([https://www.cdc.gov/flu/about/disease/high\\_risk.htm](https://www.cdc.gov/flu/about/disease/high_risk.htm))
- Influenza in Workers and Pigs: Guidance for Commercial Swine Farmers and Pork Producers (<https://www.osha.gov/Publications/influenza-workers-pigs-factsheet.html>)

## 3. Composition/information on ingredients

### Mixtures

| Chemical name            | CAS number | %           |
|--------------------------|------------|-------------|
| H1N1 Modified Live Virus |            | Proprietary |
| H3N2 Modified Live Virus |            | Proprietary |

Composition comments      Components not listed are either non-hazardous or are below reportable limits.

## 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 with water. Get medical attention if irritation develops and persists.  |
| Ingestion  | Rinse mouth. Get medical attention if symptoms occur.   |
| Most important symptoms/effects, acute and delayed                     | Cough. Fever. Fatigue. Chills. Headache. Runny nose. Congestion.  |
| Indication of immediate medical attention and special treatment needed | Persons developing anaphylactic (life threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention. If anaphylactoid reactions occur, epinephrine may be used as an antidote. |

## 5. Fire-fighting measures

|   |   |
|---|---|
| Suitable extinguishing media                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| 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. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Prevent entry into waterways, sewer, basements or confined areas. 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.

Environmental precautions      Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  
 Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

Precautions for safe handling      Avoid inhalation of vapors or mists.

Conditions for safe storage, including any incompatibilities      Protect from direct sunlight. Store at 2-8°C (35-46°F). Do not freeze.

## 8. Exposure controls/personal protection

Occupational exposure limits      No exposure limits noted for ingredient(s).

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

Appropriate engineering controls      Not generally required when handling vials or containers. 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      Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely: Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection      Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely: Wear suitable gloves.

Other      Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely: Wear lab coat, apron or appropriate clothing to prevent skin contact.

Respiratory protection      Wear appropriate personal protective equipment to avoid inhalation. For more information on personal protective equipment, consult current OSHA guidance for Commercial Swine Farmers and Pork Producers.

Thermal hazards      Wear appropriate thermal protective clothing, when necessary.

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      .

Physical state      Solid with a solution of liquid diluent

Form      Lyophilized cake supplied with a solution of colored diluent

Color      Lyophilized cake is cream to tan. After rehydration: slight pink to red color

Odor

Odor threshold      Not available.

pH      Not available.

Melting point/freezing point      Not available.

Initial boiling point and boiling range      Not available.

Flash point      Not available.

Evaporation rate      Not available.

Flammability (solid, gas)      Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)      Not available.

Flammability limit - upper (%)      Not available.

|   |                |
|---|----------------|
| Vapor pressure                          | Not available. |
| Vapor density                           | Not available. |
| Relative density                        | Not available. |
| Solubility(ies)                         |                |
| Solubility (water)                      | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature               | Not available. |
| Decomposition temperature               | Not available. |
| Viscosity                               | Not available. |

## 10. Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity Chemical stability      | The product is stable and non-reactive under normal conditions of use, storage and transport.              |
| Possibility of hazardous reactions | Material is stable under normal conditions.<br>No dangerous reaction known under conditions of normal use. |
| Conditions to avoid                | Temperatures below 2°C.  |
| Incompatible materials             | None known.  |
| Hazardous decomposition products   | No hazardous decomposition products are known.   |

## 11. Toxicological information

### Information on likely routes of exposure

|              |   |
|--------------|---|
| Inhalation   | Avoid inhalation. For more information on personal protective equipment, consult current OSHA guidance for Commercial Swine Farmers and Pork Producers. |
| Skin contact | Prolonged skin contact may cause temporary irritation.  |
| Eye contact  | Direct contact with eyes may cause temporary irritation.  |
| Ingestion    | Not expected to be a significant route of exposure. Ingestion may cause vomiting, nausea or other systemic effects.                                     |

Symptoms related to the physical, chemical and toxicological characteristics Cough. Fever. Headache. Fatigue. Chills. Congestion. Runny nose.

### Information on toxicological effects

|  |  |
|--|--|
| Acute toxicity   | Not expected to be acutely toxic.  |
| Skin corrosion/irritation                                      | Prolonged skin contact may cause temporary irritation.   |
| Serious eye damage/eye irritation                              | Direct contact with eyes may cause temporary irritation.   |
| Respiratory or skin sensitization                              |  |
| Respiratory sensitization                                      | Not available.   |
| Skin sensitization   | This product is not expected to cause skin sensitization.  |
| 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.                                  |
| IARC Monographs. Overall Evaluation of Carcinogenicity         |  |
| Not listed.  |  |
| NTP Report on Carcinogens                                      |  |
| Not listed.  |  |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) |  |
| Not regulated.   |  |
| Reproductive toxicity  | Not available.   |
| Specific target organ toxicity - single exposure               | Not classified.  |
| Specific target organ toxicity - repeated exposure             | Not classified.  |

Aspiration hazard Not available.  
Chronic effects Possible hypersensitization (development of abnormal sensitivity).

## 12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.  
Persistence and degradability No data is available on the degradability of this product.  
Bioaccumulative potential No data available.  
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 This material and its container must be disposed of in a safe way. Do not discharge into drains, water courses or onto the ground. Do not contaminate water, food, or feed by disposal.  
Local disposal regulations Dispose in accordance with all applicable regulations.  
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).  
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 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 available.

## 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. Therefore, it can only be used for TSCA exempt purposes such as R&D or veterinary use. FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON ORDER OF LICENSED VETERINARIANS.  
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  
Not regulated.  
CERCLA Hazardous Substance List (40 CFR 302.4)  
Not listed.  
SARA 304 Emergency release notification  
Not regulated.  
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)  
Not regulated.  
Superfund Amendments and Reauthorization Act of 1986 (SARA)  
SARA 302 Extremely hazardous substance  
Not listed.  
SARA 311/312 Hazardous chemical No  
SARA 313 (TRI reporting)  
Not regulated.

## Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

## US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

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

Not listed.

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

Not listed.

US. Rhode Island RTK

Not regulated.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

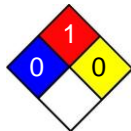
\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

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    | 22-March-2017                                      |
| Revision date | 21-February-2019                                   |
| Version #     | 05   |
| HMIS® ratings | Health: 0<br>Flammability: 1<br>Physical hazard: 0 |

## NFPA ratings



## Disclaimer

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