

Section 1 - Identification of the Substance/Mixture and Supplier

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Product Identifier:	Relsure® PCV
APVMA Approval No:	64179
Other names:	None.
Chemical family:	Porcine Circovirus Vaccine, Type 1-Type 2 Chimera, Killed Virus
Recommended Use:	Animal vaccine for use in pigs as described on the product label.
Restrictions on use	For veterinary use only.
Emergency Phone:	1800 814 883 (all hours)

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S36, S61, S24/25. Wear suitable protective clothing. Avoid release to the environment. Refer to special instructions/Safety Data Sheets. Avoid contact with skin and eyes.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

GHS Classification: NONE. Not hazardous.

GHS Label Elements: NONE. Not hazardous.

Signal word: NONE. Not hazardous.

PREVENTION

P102: Keep out of reach of children.

P235: Keep cool.

P261: Avoid breathing mists, vapours or spray.

P262: Do not get in eyes, on skin, or on clothing.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

RESPONSE

P353: Rinse skin or shower with water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Other/supplementary hazards. None known.

Emergency Overview

Physical Description & colour: Creamy white liquid.

Odour: No data re odour.

Major Health Hazards: no significant risk factors have been found for this product.

No specific medical attention is advised. Treat symptomatically.

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Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Thiomersal	54-64-8	<100ppm	not set	not set
Chimeric Porcine Circovirus (cPCV) 1-2	not set		not set	not set
Other non hazardous ingredients	various	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia and is available at all times. Have this SDS with you when you call.

Self Injection: Accidental self-administration may result in local bruising, pain and swelling. In the event of self-administration, seek medical attention and show the package leaflet or label, to the Medical Practitioner.

Check your tetanus immunisation status.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: This material may cause a mild allergic reaction in sensitive individuals on skin contact. Avoid skin contact. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water..

Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Most Important Symptoms and Effects, Both Acute and Delayed: None known.

Symptoms and Effects of Exposure: May cause respiratory tract irritation. May cause eye irritation. In the event of accidental injection, an allergic reaction may occur. If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted.

Medical Conditions Aggravated by Exposure: None known.

Indication of the Immediate Medical Attention and Special Treatment Needed: None known.

Notes to Physician: None.

Section 5 - Fire Fighting Measures

Hazards arising from the product: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are not expected to be hazardous or harmful.

Suitable Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Special Protective Equipment and Precautions for Firefighters: If a significant quantity of this product is involved in a fire, call the fire brigade.

Hazchem Code: None.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, refer to product label for specific instructions. No special protective clothing is normally necessary because of this product. However it is good practice to wear latex gloves when handling injectables. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

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Environmental Precautions: None.

Methods and Material for Containment and Cleaning Up. This product is sold in small packages. No special measures are usually necessary following spills.

Measures for Cleaning / Collecting: Contain the source of the spill if it is safe to do so. Absorb spills with non-combustible absorbent material and transfer into a labelled container for disposal.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Section 7 - Handling and Storage

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapour or mist. Use appropriate personal protective equipment. Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Storage: Refrigerate, preferably between 2 and 8°C, but do not freeze. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

Control Parameters:

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure limits

TWA (mg/m³)

STEL (mg/m³)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Engineering Controls: No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Wear safety glasses or goggles if eye contact is possible.

Skin Protection: Wear impervious gloves if skin contact is possible.

Protective Material Types: We suggest that protective clothing be made from the following materials: latex.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Appearance:	Creamy white liquid.
Odour:	No data re odour.
Odour Threshold:	No data.
pH:	No data.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Boiling Point:	Not available. Expected to be about 100°C at 100kPa
Flash point:	Does not burn.
Upper Flammability Limit:	Does not burn.
Lower Flammability Limit:	Does not burn.
Autoignition temperature:	Not applicable - does not burn.
Flammability Class:	Does not burn.
Upper Flammability Limit:	Does not burn.
Lower Flammability Limit:	Does not burn.

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Autoignition temperature:	Not applicable - does not burn.
Flammability (solid, gas):	Not applicable.
Flammability Class:	Does not burn.
Decomposition Temperature:	No data.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Relative Density:	No data.
Water Solubility:	Completely soluble.
Solvent Solubility:	No data.
Volatility:	No data.
Evaporation Rate:	No data.
Partition Coefficient (n-octanol/water):	No data
Autoignition temp:	Not applicable - does not burn.
Viscosity:	Not applicable.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Stability: Stable if stored under normal conditions.

Conditions to Avoid: Refrigerate, preferably between 2 and 8°C, but do not freeze. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities: No particular Incompatibilities.

Hazardous decomposition products: No specific data. Based on composition of proteins, the following might be expected: Carbon dioxide, and if combustion is incomplete, carbon monoxide and possibly smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds; also water. Sodium and mercury compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Symptoms caused by Exposure

General Information: The antigens included in this product are non-infectious. All have been prepared from killed or inactivated preparations of microorganisms.

Routes of exposure: No data.

Symptoms of exposure: No data.

Inhalation:

Short term exposure: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Long Term exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short term exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

Long Term exposure: No data for health effects associated with long term eye exposure.

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Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. However, this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term ingestion.

Specific Target Organ Toxicity (STOT) – single exposure: No data.

Specific Target Organ Toxicity (STOT) – repeated exposure: No data.

Aspiration Hazard: No data.

Early Onset Symptoms Related to Exposure: No data.

Delayed Health Effects from Exposure: No data.

Exposure Levels and Health Effects: No data.

Interactive Effects: No data.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Thiomersal: LD₅₀ Oral, Rat 75mg/kg. LD₅₀ Subcutaneous, Rat 98mg/kg. Mildly irritating.

There is no data to hand indicating any particular target organs.

Respiratory or Skin Sensitisation: No data.

Germ Cell Mutagenicity: No data.

Carcinogenicity: No data.

Reproductive Toxicity: No data.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 12 - Ecological Information

The environmental characteristics of this material have not been fully evaluated. This product contains trace quantities of mercury. Releases to the environment should be avoided.

Toxicity information: No data.

Persistence and degradability: No data.

Bioaccumulative potential: No data.

Mobility in soil: No data.

Other adverse effects: No data.

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. Discarded needles should immediately be placed in a designated and appropriately labelled sharps container. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Special precaution for user: None known.

Additional Information: None known.

Environmental Hazard: This product contains trace quantities of mercury. Releases to the environment should be avoided.

Section 15 - Regulatory Information

Poison Schedule: None allocated.

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

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Issued by: Zoetis Australia Pty Ltd

Phone: 1800 814 883

Poisons Information Centre: 13 1126 from anywhere in Australia

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

This version issued: **November, 2015** and is valid until May 2019.

Supersedes:

Revision History:

Date of Revision	Reason
19/11/2015	Update Zoetis Address

Contact Points:

Zoetis	1800 814 883
Police and Fire Brigade:	Dial 000

**If ineffective: Dial Poisons Information Centre
(13 1126 from anywhere in Australia)**

THIS SDS SUMMARISES OUR CURRENT AND BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION ABOUT THE PRODUCT DETAILED IN THIS SDS, AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE FOR THE RECOMMENDED USE. EACH USER OF THE PRODUCT MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THEIR OWN WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT ZOETIS.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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Prepared by Kilford & Kilford Pty Ltd

End of Safety Data Sheet

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