

## Section 1 - Identification of Chemical Product and Company



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**Pfizer Australia Pty Ltd**  
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**Substance:** Water solution of ingredients.  
**Trade Name:** SCABIGARD®  
**Pfizer MSDS Code:** 0483  
**Product Use:** Animal vaccine for use as described on the product label.  
**Creation Date:** December, 2004  
**This version issued:** April, 2010 and is valid for 5 years from this date.

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA Australia.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** Not Hazardous - No criteria found.

**Safety Phrases:** Not Hazardous - No criteria found.

**SUSDP Classification:** None (Aust); S2 (NZ)

**ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

### Emergency Overview

**Physical Description & colour:** Blue-green aqueous solution.

**Odour:** No data.

**Major Health Hazards:** The active ingredient is stated to be infectious to humans and animals and requires Level 1 laboratory containment for a Risk (Hazard) Group 1 Biological Agent.

### Potential Health Effects

See section 11 for long term effects

#### Inhalation

**Short term exposure:** Not normally a hazard due to non-volatile nature of the product. The spray mist may be discomforting to the upper respiratory tract and lungs and may cause infection.

#### Skin Contact:

**Short term exposure:** The material may be moderately discomforting to the skin if exposure is prolonged and is capable of causing infection. Bare unprotected skin should not be exposed to this material. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to vesiculation, scaling and thickening of the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. Infection through breaks in the skin is possible resulting in pustule formation. Self-administration may result in infection.

#### Eye Contact:

**Short term exposure:** The material may be moderately discomforting, may cause infection to the eyes and is capable of causing temporary impaired vision. The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. Serious ocular lesions may form.

#### Ingestion:

**Short term exposure:** The material may be discomforting if swallowed and is capable of causing infection.

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### 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.

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## Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Glycerol/saline solution	not set	>60	not set	not set
Scabby Mouth Virus	not set	see below *	not set	not set
Colorant	secret	0.005	not set	not set

\* sufficient to meet BP(Vet) 1993

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

The 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 should not be exceeded for more than 15 minutes and should not be repeated for 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.

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## Section 4 - First Aid Measures

<b>Swallowed:</b>	Rinse mouth out with plenty of water. Transport to hospital or doctor and seek immediate attention.
<b>Eye:</b>	If material containing a biological agent comes in contact with the eyes: 1: Immediately hold the eyes open and wash with fresh running water. 2: Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. 3: Seek immediate medical attention. 4: Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin:</b>	For any suspected contact with a material containing a biological agent: 1: Rinse thoroughly with water and perform approved disinfection procedures. 2: Seek medical attention. Accidental self administration may lead to an inflammatory response and medical advice should be sought. The damaged area should be thoroughly cleansed and a topical antiseptic applied.
<b>Inhaled:</b>	No recommendation required.
<b>Advice to Doctor:</b>	The material contains a living virus (Orthopoxvirus) considered pathogenic for man with a marked affinity for skin tissue. It can cause a skin infection which, although not serious, can be annoying. Treat symptomatically.

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## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** 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 products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**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.

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## Section 6 - Accidental Release Measures

### Minor Spills:

1. Clean up all spills immediately.
2. Avoid contact with skin and eyes.
3. Wear impervious gloves and safety glasses.

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4. Place spilled material in clean, dry, sealable, labelled container. Wash spill area with large quantities of water.

**Major Spills:** Not applicable.

**Disposal:**

1. Dilute with water and flush to sewer.
  2. Decontaminate empty containers with water.
  3. Recycle containers if possible, or dispose of in authorised landfill. Used needles should immediately be placed in a designated and appropriately labelled "sharps" container.
- May be disposed of in accordance with any label recommendations provided by the manufacturer.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store at 2-8°C (refrigerate). Do not freeze. Protect from light.

1. Store in original containers.
  2. Keep containers securely sealed.
  3. Store in a cool, dry, well-ventilated area.
  4. Store away from incompatible materials and foodstuff containers.
  5. Protect containers against physical damage and check regularly for leaks.
  6. Observe manufacturer's storage and handling recommendations.
- Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

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

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**SWA Exposure Limits**                      **TWA (mg/m<sup>3</sup>)**                      **STEL (mg/m<sup>3</sup>)**

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

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.

**Ventilation:** 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:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

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

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Blue-green aqueous solution.
<b>Odour:</b>	No data.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Volatiles:</b>	Water component.
<b>Vapour Pressure:</b>	2.37 kPa at 20°C (water vapour pressure).
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	1.02
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	No data.
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.

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**Evaporation Rate:** No data.  
**Coeff Oil/water distribution:** No data  
**Autoignition temp:** Not applicable - does not burn.

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## 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.

**Conditions to Avoid:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

**Incompatibilities:** strong acids, strong bases, strong oxidising agents.

**Fire Decomposition:** No specific data. Based on composition of proteins, the following might be expected: Carbon dioxide, and if combustion is incomplete, carbon monoxide and 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. Water.

**Polymerisation:** This product will not undergo polymerisation reactions.

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## Section 11 - Toxicological Information

**Target Organs:** There is no data to hand indicating any particular target organs.

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

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

Principal routes of exposure are by skin contact, accidental injection (needle scratch), ingestion and/or inhalation of aerosols. Symptoms and longer term effects are related to the pathology of the infection. The product is a living virus considered pathogenic for man. It can cause a skin infection (pustular eruptions) which, although not serious, can be annoying. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in the work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

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## Section 12 - Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

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## Section 13 - Disposal Considerations

**Disposal:** Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

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## Section 14 - Transport Information

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

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## Section 15 - Regulatory Information

**AICS:** We are unable to verify the presence of all of the ingredients in this product on the public AICS database. However this is not a necessary requirement for registered Ag/Vet products. If you have any reason to be concerned about this, we suggest you call us on the number below.

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## Section 16 - Other Information

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

### Acronyms:

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

### MATERIAL SAFETY DATA SHEET

SUSDP  
UN Number

Standard for the Uniform Scheduling of Drugs & Poisons  
United Nations Number

Contact Points:

<b>Pfizer</b>	<b>(02)9850 3333 (Business hours)</b>
<b>Police and Fire Brigade:</b>	<b>Ask for Environmental Health &amp; Safety Manager Dial 000</b>

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

Please read all labels carefully before using product.

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