



MATERIAL SAFETY DATA SHEET

PRODUCT: VIRALFX

Date of Issue: December 2012

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

Product Name: ViralFx
Other Names: Disinfectant
Recommended Use: Broad spectrum Virucidal, Bactericidal and Fungicidal Powder Disinfectant
Company: Glendale Packaging Pty Ltd
Address: Unit 1/75 Newton Road, Wetherill Park NSW 2164
Telephone Number: (02) 9756 2315
Emergency Telephone: (02) 9756 2315

2. HAZARDOUS IDENTIFICATION

Hazards Classification: Classified as hazardous according to the criteria of Worksafe Australia.
Dangerous Goods Class: Nil
Poisons Schedule: 6
Risk Phase(s): Irritating to skin. Risk of serious damage to eyes. May cause irritation to the respiratory system through dust release. Harmful to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Classification	Concentration (%)
Pentapotassium bis (peroximonosulphate) bis (sulphate)	70693-62-8	C; R34/ Xn; R22 and R52	40-50
Benzenesulfonic acid, mono C10-13 alkyl derives, sodium salts	68081-81-2	Xi; R36/38 Xn; R21	5-15
Sulfamic Acid	5329-14-6	Xi; R36/38 R52-R53	5-10
Dipotassium Peroxodisulphate	7727-21-1	O; R8 Xn; R22 Xi; R36/37/38 R42/43	0-2

For the full text of the R phrases mentioned in this Section, see section 16.



4. FIRST AID MEASURES

Skin:

Wash affected areas with soap and running water. Seek medical attention if irritation develops. Wash contaminated clothing before re-use.

Eye:

Rinse the eyes with water for several minutes, including under the eyelids.

Inhalation:

Typically not a hazard, but remove to fresh air and seek medical attention if respiratory irritation develops.

Swallowed:

Do not induce vomiting. Give water and seek medical attention if discomfort develops.

First Aid Facilities:

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor:

Treat the patient symptomatically.

5. FIRE FIGHTING MEASURES

Fire/Explosive Hazards:

Do not allow run-off from fire fighting to enter drains or water courses.

Extinguishing Media:

In the event of a fire - powder, foam, water spray and CO₂ are the recommended extinguishing agents.

Hazchem Code:

None allocated.

Flammability:

Product is non-flammable.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing (see section 8).

**Methods and Materials for Containment and Clean Up:**

Contain spill. Clean up the spill with an inert absorbent material. Dispose of waste in a closed, labeled container in accordance with local, state and Commonwealth laws. Flush area with water to wash away residues.

Prevent large quantities of this material entering waterways, drains and sewers. If large quantities of this material enter the waterways contact the EPA or your local waste management authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Observe all precautions stated on the product label, and follow industry safety regulations. Repeated or prolonged skin exposure without protection should be prevented. Maintain high standards of personal hygiene – i.e. always wash hands prior to eating, drinking, smoking or using toilets. Prevent dust build up. The use of L.E.V (local exhaust ventilation) may be required when handling the product supplied in bulk quantities.

Conditions for Safe Storage:

Always store in a dry, cool, well-ventilated area. Store in the closed original container. Store below 40°C. Store in original packages as approved by manufacturers. Avoid contamination of product.

ViralFx 1% Solution:

Store in a clean, loosely capped, plastic container at normal temperature away from direct sunlight. Do not allow to freeze. Discard solution either once the colour is lost, or after 7 days from date of preparation.

Advice on Common Storage:

Keep away from combustible material.

Other Data:

Stable under recommended storage conditions.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS No	Type Form of Exposure	Control Parameters	Update	Basis
Potassium Persulphate	70693-62-8	TWA	1mg/m ³ 8hr	2002	EH40 OES
Dipotassium Peroxodisulphate	7727-21-1	TWA	1mg/m ³ 8hr	2002	EH40 OES
Respirable Dusts	Nil	TWA	10mg/m ³ 8hr	2002	EH40 OES

Engineering Controls:

Provide local exhaust ventilation (L.E.V.) when handling material in bulk. Not normally necessary for preparation of solutions from 1kg, 2kg, 5kg, and 10kg packs

Personal Protective Equipment:

Clothing: suitable work wear should be worn to protect personal clothing, cotton overalls. Industrial clothing should conform to the specifications detailed in AS2919:Industrial Clothing.

Gloves: rubber gloves recommended. Reference should be made to AS2161.1:Occupational Protective Gloves – Selection, use and maintenance.

Eyes: tightly fitting safety glasses recommended. Eye protection should conform with the Australian Standards AS1337:Eye Protectors for Industrial Applications.

Respiratory Protection:

If the occupational exposure limit is likely to be exceeded, an approved respirator must be selected and used in accordance with AS/NZS 1716. In the event of an emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should be used. If respiratory is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

Powder Concentrate: Where necessary, dust mask for fine particles (eg 3M Type 8710)

Diluted Product: When working in mists of ViralFx (diluted in conjunction with Fog enhancer), respiratory protection in the form of a type AP filter is recommended (A2P3 filter).



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pink Powder
Odour:	Pleasant Odour
pH (1% solution 20°C):	2.4 – 2.7
Specific Gravity:	1.07 (approx)
Solubility in Water (g/L):	Approximately 65 g/L at 20°C
Flashpoint:	Non Flammable
Oxidising Properties:	Not Oxidizing
Boiling Point/Range:	Decomposes on heating

10. STABILITY AND REACTIVITY

Conditions to avoid:

Exposure to moisture.

Materials to avoid:

Strong alkalis, Salt (Sodium Chloride), Combustible Materials.

Hazardous Decomposition Products:

Sulphur Dioxide, Chlorine.

11. TOXICOLOGICAL INFORMATION:

Acute Effects:

Acute Oral Toxicity – LD50 (Rat) 4123 mg/kg

Acute Dermal Toxicity – LD50 (Rat) 2200 mg/kg

Eye Irritation:

Powder – May cause eye damage

Virkill Plus (+) 1% Solution – Non-irritating

Skin Irritation:

Powder - Moderately irritating. Primary irritation index = 2.8

Virkill Plus (+) 1% Solution – Non-irritating primary. Primary irritation index = 0

Skin Sensitisation:

Powder – Not sensitizing (Guinea Pig, Magnusson & Kligman Maximisation Method and Guinea Pig Modified Buehler Method).

Virkill Plus (+) 1% Solution – Not sensitizing (Guinea Pig, Magnusson & Kligman Maximisation Method).

**Human Experience:**

The powder product is a strong eye irritant, irritant to skin and excessive exposure may effect human health. May cause Inhalation and nasal inner lining irritation.

12. ECOLOGICAL INFORMATION

Persistence and Degradability:

No data is available. However, based on evaluation of its components in accordance with 1999/45/EC, this product is not expected to display long term effects in the aquatic environment.

Biodegradability:

Expected to be biodegradable.

Aquatic Toxicity:

Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Product:

Dispose of as special waste in compliance with Environmental Protection Authority (EPA), Local, State and Federal Laws. The product should not be allowed to enter drains, water courses or the soil.

Contaminated Packaging:

If recycling is not practicable, dispose of in compliance with local regulations.

14. TRANSPORT INFORMATION

U.N. Number:	None allocated
Proper Shipping Name:	None allocated
Class:	None Allocated
Hazchem Code:	None Allocated
Packing Group:	None Allocated
Marine Pollutant:	No

15. REGULATORY INFORMATION

Poisons Schedule: 6.



16. OTHER INFORMATION

R8:	Contact with combustible material may cause fire.
R21	Harmful if in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin
R41	Risk of serious damage to eyes.
R42	May cause sensitization by inhalation and skin contact.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

Xi = Irritant

References: (1) National Code of Practice for the preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)] (2) Material Safety Data Sheet issued by Spick N Clean Products, dated December 2008.

Contact Point: Director Brooke Duggan

Telephone: (02) 9756 2315

DISCLAIMER: All information given in this data sheet and by the company's technical staff is compiled from the information currently available to the company. The company accepts no responsibility whatsoever for its accuracy, or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk, and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.

END OF MSDS
