


Safety Data Sheet



Section 1 PRODUCT IDENTIFICATION	
Product Name:	Fungiwash
Synonyms:	none
Recommended Use:	Water based biocide to eliminate the growth of bacteria, yeasts, fungi and algae from all types of surfaces
Supplier Information:	Cameleon Coatings 26 Paramount Drive Wangara 6055 Phone:(08) 9302 2577 www.cameleon.com.au Emergency Phone: 0413 610 147 (24 hours)
Section 2 HAZARD IDENTIFICATION	
Hazard Classification:	<p>NOT classified as DANGEROUS GOODS according to the criteria of the ADG code</p> <p>HAZARDOUS CHEMICAL according to the criteria of Safe Work Australia</p> <p>Skin irritation, Category 2</p> <p>Eye irritation, Category 2A</p> <p>Acute aquatic toxicity, Category 3</p> <p>Chronic aquatic toxicity, Category 3</p> <p>Label elements: Pictograms</p> <div style="text-align: center;">  <p>IRRITANT</p> </div> <p>Signal Word: WARNING</p>
Hazard Statements:	<p>H315 Causes skin irritation</p> <p>H319 Causes serious eye irritation</p> <p>H412 Harmful to aquatic life with long lasting effects</p>
Precautionary Statements:	<p>GENERAL</p> <p>P101 If medical advice is needed, have product container or label at hand</p> <p>P102 Keep out of reach of children</p> <p>P103 Read label before use</p> <p>PREVENTATIVE</p> <p>P264 Wash thoroughly after handling</p> <p>P273 Avoid release to the environment</p> <p>P280 Wear protective gloves/eye protection/face protection</p>

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	<p>RESPONSE</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water</p> <p>P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>+P338</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention</p> <p>P337+P313 If eye irritation persists: get medical advice/attention</p> <p>P362 Take off contaminated clothing and wash before reuse</p> <p>DISPOSAL</p> <p>P501 Dispose of contents/container in accordance with local regulations</p>
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Section 3 COMPOSITION

Ingredient	CAS Number	Proportion
Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides	68424-85-1	<5%
Biphenyl-2-ol	90-43-7	<0.5%
Other Non-Hazardous Materials to 100%		

Proportion is % weight per weight

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

Section 4 FIRST AID MEASURES

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Description of necessary first aid measures

Inhalation: Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Transport to nearest medical facility for additional treatment if necessary.

Eye Contact: If in eyes, hold eyes open, flush the eyes continuously with running water for at least 15 minutes. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek immediate medical assistance.

Ingestion: If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. Wash out mouth with water.

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Section 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Foam, water spray or fog, carbon dioxide, dry chemical powder.

Hazards from combustion products:

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride.

Specific Hazards:

None known

Fire Fighting Advice:

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or decomposition products.

Precautions in connection with fire:

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapour or fumes. Collect contaminated firefighting water separately. This product should be prevented from entering drains and watercourses.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Particular danger of slipping on leaked/spilled product. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. When selecting protective clothing attention must be paid to the complete protection of skin and mucous membranes. Impermeable protective clothes, protective boots, complete face protection and nitrile rubber gloves with long tops should be worn.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers.

Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Decontamination procedure: quaternary ammonium compounds are incompatible with anionic compounds, eg with anionic surfactants. If product is released unintentionally into waste water, drain the contaminated waste water and collect in an appropriate container. Polluted surfaces can be decontaminated with a 10% sodium lauryl sulphate solution.

Section 7 HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of vapours and mists, and skin or eye contact. Handle and open containers with care in a well ventilated area. Keep containers sealed when not in use. Prevent the buildup of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities.

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Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near foodstuffs and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as leaks or damage. Ensure that storage conditions comply with applicable local and national regulations.

Minimum storage temperature 10°C.

Protect from frost

Section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standard

No exposure limit established

Biological monitoring

No biological limits allocated.

Engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone.

Individual protection measures

Eye and face protection: Safety glasses with side shields, chemical goggles or full face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform with Australia/New Zealand Standard AS/NZS 1337 Eye Protectors for Industrial Applications.

Hand protection: Nitrile rubber, NBR. Final choice of appropriate gloves will vary according to individual circumstances ie methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves-selection, use and maintenance.

Respiratory protection: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian standards AS/NZS 1715: Selection, use and maintenance of respiratory protective devices; and AS/NZS 1716 Respiratory Protective Devices, in order to make the necessary changes for individual circumstances.

Body Protection: Suitable protective workwear, eg cotton overalls buttoned at the neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Hygiene Measures: Ensure a high level of personal hygiene is maintained when using this product. Always wash hands after handling. And before eating, drinking, smoking or using toilet facilities. Provide readily accessible eye wash stations and safety showers.

Thermal hazards: Not applicable

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Section 9 PHYSICAL PROPERTIES

Appearance: Clear liquid
Solubility: Miscible with water

Odour:	Slight	Density @ 20°C:	~1.0 kg/lit
pH:	7.0	Flash point & Method:	NAP
Vapour Pressure 20°C (mm Hg):	NAV	Upper Explosive Limit (UEL):	NAP
Vapour Density (Air = 1)	NAV	Lower Explosive Limit (LEL):	NAP
Initial Boiling Point & Range °C:	100	Ignition Temperature °C:	NAP
Freezing Point °C:	0	Percent Volatiles (by weight):	92

NAP = Not Applicable, NAV = Not Available

Section 10 STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use. Corrosive action on metals possible.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Stable under normal conditions of use.

Conditions to avoid

No further relevant information available

Incompatible materials

Anionic compounds.

Hazardous decomposition products

None under normal conditions of use

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Section 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Not known for the mixture
Skin corrosion/irritation:	Irritating to skin
Serious eye damage/irritation:	Irritating to eyes
Respiratory or skin sensitisation:	Not expected to cause sensitisation by skin contact.
Germ cell mutagenicity:	Not expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic
Reproductive toxicity:	Not expected to be a human reproductive toxicant.
Specific Target Organ Toxicity (STOT) – single exposure:	Inhalation of vapours or mists may cause irritation to the nose, throat and respiratory system.
Aspiration hazard:	Not expected to be an aspiration hazard

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity

For component Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

EC50 / 48 h: 0.016 mg/l (Daphnia)

EC50 / 72 h: 0.026 mg/l (Selenastrum capricornutum) (OECD 201)

LC50 / 96 h(static): 0.85 mg/l (rainbow trout) (OECD 203)

For component Biphenyl-2-ol:

EC50 / 48 h: 2.7 mg/l (Daphnia)

EC50 / 72 h: 1.35 mg/l (Algae)

LC50 / 96 h(static): 4 mg/l (rainbow trout)

Persistence and degradability

The components are rapidly biodegradable

Bioaccumulative potential

Low potential to bioaccumulate significantly.

Mobility in soil

Data not available

Other adverse effects

The product contains materials that are harmful to the environment. Avoid transfer into the environment.

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Section 13 DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

Section 14 TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

NOT classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG7 Code) for transport by road or rail.

MARINE TRANSPORT

NOT classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

NOT classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air

Section 15 REGULATORY INFORMATION

Hazardous according to Safe Work Australia

Poisons Schedule (Australia): *Not scheduled*

Section 16 OTHER INFORMATION

Date of preparation: October 2016

Version 1.04

General:

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the work-place.

Since Cameleon Coatings cannot anticipate or control the conditions under which this product may be used or handled, each user must, prior to using or handling this product, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is required to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to

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our customers, and is also available from the company upon request.