

SAFETY DATA SHEET

Revision Date : 30 April 2020

Version 01

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Name:	FUNGICIDAL WASH
Intended Use:	Removing of fungus/algae from surfaces
Manufacturer:	RAFFLES PAINT PTE LTD 1 Tuas South Avenue 6 #04-04 Singapore 637021
Emergency Phone Number	(65) 6909 2781

2. HAZARD IDENTIFICATION

GHS Classification:

Not classified as a physical hazard under GHS criteria

Health Hazard

Skin corrosion/Irritation	Category 2
Serious eye damage/irritation	Category 2

Environment Hazard

Not classified as an environmental hazard under GHS criteria

Pictogram



Signal Word

Warning

Hazard Statement

H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statement

P264: Wash hands thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response

P362: Take off contaminated clothing and wash before reuse
P302+352: IF ON SKIN: Wash with soap and water
P332+313: If skin irritation occurs: Get medical advice/attention
P337+313: Get medical advice/attention
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	%
Mixture	Not applicable	100

4. FIRST-AID MEASURES

INHALATION

- Do not expect to have any health issues when breath in the vapour.
- If unwell, move person to fresh air and call for medical assistance immediately.

SKIN CONTACT

- In case of skin contact, immediately flush skin with large amounts of water and soap while removing contaminated clothing and shoes.
- If irritation persists, get medical attention.

EYE CONTACT

- Immediately flush eyes with large amounts of water until irritation subsides.
- Remove contact lens
- Obtain medical attention.

INGESTION

- DO NOT induce vomiting unless directed to do so by a medical professional. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention immediately.
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5. FIRE FIGHTING MEASURE

This product is not flammable and not combustible.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

- Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.
- Avoid substance contact with eyes.
- Ensure supply of fresh air in enclosed rooms.
- Avoid substance contact with eyes.

ENVIRONMENTAL PRECAUTIONS

- Keep public away.
- Contain spilled liquid with sand or other non-combustible absorbent materials
- Wash area and prevent runoff into drains and sewerage system.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

- Clean up all spills immediately.
 - Absorb spill with absorbent and inert material, then place in container.
 - Disposal in accordance to local/national regulations.
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7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Use appropriate personal protective equipment
- Keep out of reach of children.

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- Handle containers with care. Open slowly in order to control possible pressure release.
- Do not pressurize containers.
- Do not ingest. Do not breathe in gas/fumes/vapor. Avoid contact with skin and eyes.
- For personal protection, see section 8.
- Protect from frost and extremes of temperature.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Keep containers tightly closed.
- Containers that are opened should be properly resealed and kept upright to prevent leakage.
- Store in cool, dry and well-ventilated place at temperature between 20°C to 40°C, away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROL MEASURES

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Ensure eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION

Respiratory Protection:	Use of respirators
Hand Protection:	Use of chemical resistant type of protective gloves is recommended.
Eye Protection:	Use of safety glasses or goggles with side shields is recommended.
Skin / Body Protection:	Wear chemical resistant clothes and safety shoes when handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Odour	:	Mild paint odour
Odour threshold	:	Not available
pH	:	8-10
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 flammable
Lower flammability or explosive limit	:	Not available
Upper flammability or explosive limit	:	Not available
Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density	:	1.50 gm/cm ³
Solubility	:	Miscible in water
Partition coefficient	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available

10. STABILITY AND REACTIVITY

REACTIVITY

- No dangerous reaction known under condition of normal use.

CHEMICAL STABILITY

- The product is stable under recommended storage and handling conditions.

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POSSIBILITY OF HAZARDOUS REACTION

- Under normal conditions of storage and use, hazardous reaction will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

- When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

11. TOXICOLOGICAL INFORMATION

There is no data available for this product.

Skin corrosion or irritation

Causes skin irritation. Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Serious eye damage or Irritation

May be an eye irritant.

Respiratory or skin sensitization

Vapor concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract,

Germ cell mutagenicity

No information available on the product.

Reproductive toxicity

No information available on the product.

Specific Target Organ Toxicity (STOT)- single exposure

No information available on the product.

Specific Target Organ Toxicity (STOT)- repeated exposure

No information available on the product.

Aspiration hazard

No information available on the product.

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12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity -No data available

Persistence and degradability

Biodegradation - No data available

Bio-accumulative potential

-No data available

Mobility in soil

-No data available

Other adverse effect

There is no ecotoxicological test data available on the product itself.
The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and watercourses.

Preferred methods of waste disposal are incineration or biological treatment in approved facility.
Empty containers should be recycled or disposed through an approved waste management facility or licensed contractor.

All local environmental regulations shall be observed.

14. TRANSPORT INFORMATION

Transport to be in accordance with ADR/RID for road, IMDG for sea and IATA for Air.

LAND TRANSPORT

Not classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

SEA TRANSPORT

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

SEA (Annex II of MARPOL 73/78 and the IBC code)

Not applicable

AIR TRANSPORT

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

15. REGULATORY INFORMATION

Applicable national regulations:

- SS586: 2008 – Standards on Hazard communication for hazardous chemicals and dangerous goods
 - Part 1: Transport and storage of dangerous goods
 - Part 2: GHS of classification and labelling of chemicals
 - Part 3: Preparation of safety data sheet

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16. OTHER INFORMATION

Abbreviation

ACGIH American Conference of Governmental Industrial Hygienists

TLV Threshold limit value

TWA Time-Weighted Average

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

LD50 Lethal Dose

LC50 Median lethal concentration

IACR International Agency for Research in Cancer

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