



MATERIAL SAFETY DATA SHEET

TIMBRITE RFU

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TIMBRITE RFU
Product type: Cleaning agent for removal of fungal stains and discolouration from wood
Supplier: TIMBERLIFE (PTY) LTD
P.O. Box 73117, Lynnwood Ridge 0040, South Africa
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Timbrite RFU is a mixture of a bleaching agent (Sodium hypochlorite) and surfactants in water.

Chemical nature and use:

Timbrite RFU is a ready-for-use preparation, specially formulated to disinfect and clean timber from fungal stains caused by moulds and blue stain and to remove discolouration caused by exposure to sunlight and the elements. Also removes dirt and grime.

Timbrite RFU is not a paint or varnish remover. Any coating must be removed with a paint stripper before application of **Timbrite RFU**.

Timbrite RFU is ideal for cleaning any timber that has been discoloured by mould or stain fungi, e.g. bottom parts of doors, neglected outdoor furniture, etc.

Active ingredient:

Sodium hypochlorite50 g Cl/l (min)

Other ingredients:

Surfactants and water (non hazardous)

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3. HAZARD IDENTIFICATION

Most important hazards:

- Human health effects

Corrosive and toxic by ingestion
Irritation of skin and eyes; pulmonary irritant
If inhaled, could be harmful.
- Environmental effects

Toxic to both plant and aquatic life
- Physical hazards

Oxidizing agent. Release toxic gas when in contact with acids and certain metals.
Thermal decomposition could produce irritating and poisonous gas.

4. FIRST-AID MEASURES

Ingestion:

Seek medical attention immediately. Do not induce vomiting. Drink lots of milk or water to dilute. If vomiting occurs, drink more water. Note: Do not give anything orally to an unconscious person.

Skin contact:

Immediately remove all contaminated clothing and wash with soap and water. If irritation develops and persists, seek medical attention.

Eye contact:

Immediately flush with fresh water for at least 15 minutes. Seek medical attention if irritation develops and persists.

Inhalation:

Remove patient to fresh air. Administer oxygen and seek medical attention if necessary.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Use dry chemical powder, sand, foam or CO₂.

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Flammability:

Product is not flammable.

Specific Hazards:

May release irritating and toxic gases when exposed to high temperatures.

Protective clothing:

Self contained breathing apparatus. PVC gloves. Cotton or polyester overalls. Safety glasses or goggles.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear gloves, safety glasses or splash-proof goggles and cotton or polyester overalls. In confined spaces wear respiratory equipment.

Environmental precautions:

Avoid contamination of rivers, dams or canals.
Prevent spillage from entering drains and ditches.

Methods for cleaning up:

Absorb or dike with inert material such as sand or diatomaceous earth and place into containers for later disposal.

Small spills may be washed to drains with a large quantity of water.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin.

Avoid inhalation of spray and vapour.

The use of suitable gloves and eye face protection is recommended.

In case of contact with the skin and eyes, immediately wash with soap and water.

Do not eat, drink or smoke while using the product.

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Do not discharge into rivers, dams and canals.

Storage:

Keep out of reach of children, uninformed persons, and animals.

Do not store near strong oxidants, acids and organic materials.

Store in a cool, dry place away from food and foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit : Not established

Personal protective equipment:

Wear suitable protective clothing such as overalls, rubber gloves and safety goggles during handling and use of the product.

In confined spaces the use of approved respiratory equipment for protection from mists of pesticides is recommended.

Hygiene measures:

Wash hands with soap and water before eating, drinking or smoking.

Wash overalls and clothes regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Transparent aqueous liquid
Colour	: Yellowish
Odour	: Chlorine
PH	: Alkaline
Temperature stability	: Decomposes when exposed to high temperatures
Flammability	: Not flammable
Explosion properties	: May react with metals to liberate explosive hydrogen gas
Flash point	: Not applicable
Density @ 20°C	: 1,08 kg/l
Solubility	: Cold water

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10. STABILITY AND REACTIVITY

- Stability** : Stable at temperatures below 40°C
- Conditions to avoid** : Elevated temperatures
- Materials to avoid** : Strong oxidants, acids, organic materials and metals
- Hazardous decomposition products** : Toxic chlorine gas when in contact with acids and during combustion

11. TOXICOLOGICAL INFORMATION

- Acute toxicity** : Toxic (No specific data available)
- Local effects** : See Section 3, "Human health effects"
- Chronic toxicity** : No evidence of carcinogenic or mutagenic effects

12. ECOLOGICAL INFORMATION

- Environmental effects** : See Section 3, "Environmental effects"
- Mobility** : Active ingredient is water soluble and therefore mobile
- Degradability** : Active ingredient is rapidly broken down to harmless substances.
- Bioaccumulation** : Due to degradation and recommended application rates, it is unlikely that bioaccumulation will attain levels of environmental significance.
- Ecotoxicity** : No ecological problems are expected when the product is handled and used with care.

13. DISPOSAL CONSIDERATIONS

- Product waste** : Dispose of in accordance with prevailing disposal regulations. Avoid contamination of soil and water by waste product. Whenever possible, any waste product should be recovered and re-used.
- Packaging material** : Do not re-use containers. Puncture all plastic containers.

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14. TRANSPORT INFORMATION

UN Number : 1791
ERG No. : 154
IMDG Code : 8177
Marine Pollutant : Yes
Class : Class: 8 Corrosive Group: II/III
Subsidiary Risks : None
Hazchem Code : 2r
EAC : 60
IMPG-Packaging Group : II/III
Road/Rail : Oxidizer, liquid, toxic, non flammable
Air/IATA : Oxidizer, liquid, toxic, non flammable
Sea : Oxidizer, liquid, toxic, non flammable

15. REGULATORY INFORMATION

EEC Hazard Classification : 8
Indication of danger : Harmful, Irritant.
Risk phrase(s): : Harmful by inhalation and if swallowed,
Irritating to eyes, respiratory system and skin.
: Toxic to aquatic organisms.
: Releases toxic gas when in contact with acids
or when thermally decomposed.

Safety phrases: : Keep out of reach of children.
: Do not breathe vapour/spray.
: Avoid contact with skin and eyes.
: Wear suitable protective clothing, gloves and
eye/face protection
: After contact with skin, wash with soap and water.

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

Compiled: July 2002