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## MATERIAL SAFETY DATA SHEET

# SATINWOOD 28/28 BASE

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** SATINWOOD 28/28 BASE  
**Product type:** Exterior water repellent stain and wood finish  
**Supplier:** **TIMBERLIFE**  
P.O. Box 73117, Lynnwood Ridge 0040, South Africa  
Tel.: + 27-12-803-8595  
Fax: + 27-12-803-8462  
E-mail: [timberlife@icon.co.za](mailto:timberlife@icon.co.za)  
Website: [www.timberlife.co.za](http://www.timberlife.co.za)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Satinwood 28/28 Base** is a mixture of a synthetic pyrethroid (insecticide) and an organosulphur compound (fungicide), drying oils, waxes and iron oxides in aliphatic and aromatic petroleum solvents.

#### Chemical nature and use:

**Satinwood 28/28 Base** is a solvent-based water repellent stain finish that contains high quality, colour fast transparent iron oxide pigments that will not leach or fade under exterior conditions. The penetrating water repellent oil and wax components in the formulation nourish and protect wood against the elements. **Satinwood 28/28 Base** contains a fungicidal additive that provides added protection to wood against mould growth and discolouring fungi. It also contains an insecticide for borer and termite control. **Satinwood 28/28 Base** enhances the natural beauty of the wood and dries to a satin-like, translucent finish that does not flake or peel.

#### Pesticidal active ingredients:

Cypermethrin (Synthetic pyrethroid) .....2 g a.i./ℓ (min)  
2 – (thiocyanomethylthio) benzothiazole (Organosulphur compound) .....6 g a.i./ℓ (min)

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## Other ingredients:

Blend of drying oils, waxes and iron oxides in aliphatic and aromatic petroleum solvents.

## 3. HAZARD IDENTIFICATION

### Most important hazards:

- Human health effects

Moderately toxic if ingested  
May cause moderate irritation to skin  
May cause moderate irritation and is harmful to eyes  
Irritating and moderately toxic by inhalation.

- Environmental effects

Toxic to both plant and aquatic life

- Physical hazards

Flammable. Thermal decomposition results in release of toxic fumes.

## 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.

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## 5. FIRE-FIGHTING MEASURES

### Extinguishing media:

Use dry chemical powder, sand, foam or CO<sub>2</sub>.

### Flammability:

Product is flammable due to oil, wax and solvent content.

### Specific Hazards:

May release irritating and toxic gases when exposed to high temperatures. Product may decompose if heated above 60°C.

### 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 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. Then dispose of at a class 1 disposal site.

## 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, immediately wash with soap and water.

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

Do not discharge into rivers, dams and canals.

## **Storage:**

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

Do not store near sources of sparks, flame or heat.

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

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational Exposure Limit** : TLV/TWA : 500 ppm (ACGIH) calculated.

### **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**

<b>Physical state</b>	: Semi-transparent organic liquid
<b>Colour</b>	: Brownish and tints of brown
<b>Odour</b>	: Slightly aromatic
<b>PH</b>	: Slightly acidic
<b>Temperature stability</b>	: Stable at temperatures of up to 60°C
<b>Melting point</b>	: 60 - 80°C (Technical material)
<b>Decomposition temperature</b>	: Above 60°C
<b>Flammability</b>	: Flammable due to oil, wax and solvent content
<b>Explosion properties</b>	: Not established
<b>Flash point</b>	: Above 40°C (IP 34)
<b>Density @ 20°C</b>	: 0,82 – 0,88 kg/l
<b>Solubility</b>	: Aliphatic and aromatic solvents

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## 10. STABILITY AND REACTIVITY

- Stability** : Stable in neutral and acidic media  
**Conditions to avoid** : Elevated temperatures  
**Materials to avoid** : Strong oxidants  
**Hazardous decomposition products** : Toxic fumes of SO<sub>x</sub>, CN<sup>-</sup>, Cl<sup>-</sup> and NO<sub>x</sub> may be evolved on combination if heated above 60EC

## 11. TOXICOLOGICAL INFORMATION

- Acute toxicity** :  
• Oral LD<sub>50</sub> (rat) - Over 2565 mg/kg  
• Dermal LD<sub>50</sub> (rat) - Over 8000 mg/kg  
• Inhalation LC<sub>50</sub> (rat) - Over 2,5 mg/l of air over 4 hours (Technical material)
- Local effects** : See Section 3, "Human health effects"
- Chronic toxicity** : No evidence of carcinogenic or mutagenic effects
- May cause asthma (inhalation over a long period) or dermatitis (if absorbed by the skin over a long period)

## 12. ECOLOGICAL INFORMATION

- Environmental effects** : See Section 3, "Environmental effects"
- Mobility** : Active ingredients have low mobility and strongly absorbs to soil.
- Degradability** : Practically biodegradable but has a bactericidal effect.
- Bioaccumulation** : Due to biodegradation and recommended application rates, it is unlikely that bioaccumulation will attain levels of environmental significance.
- Ecotoxicity** :  
**Birds:**  
Minimally toxic to birds (data for technical material)  
Acute oral LD<sub>50</sub>: > 10000 mg/kg (mallard ducks)  
> 2000 mg/kg (chickens)  
**Fish:**  
Toxic to fish (data for technical material)  
LC<sub>50</sub> (96 hr) : 0.69 µg/l (rainbow trout)

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**Bees:**

Highly toxic to bees (data for technical material)

LD<sub>50</sub> (oral) : 0,035 µg/bee

LD<sub>50</sub> (topical): 0,02 µg/bee

**Daphnia:**

Very toxic to *Daphnia magna* (data for technical material)

The 48-hour LC<sub>50</sub> is 0,15 µg/l

## 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. Flatten all metal containers.

## 14. TRANSPORT INFORMATION

- UN Number** : 2903 (cypermethrin)  
2810 (2 – (thiocyanomethylthio) benzothiazole)
- ADR / RID** : 6.1 Subsidiary Risk 3
- IMDG / IMO** : 6.1 Subsidiary Risk 3
- ICAO / IATA** : 6.1 Subsidiary Risk 3
- Packaging Group** : III
- Road/Rail** : Pesticide, organic, liquid, toxic, flammable.
- Air / IATA** : Pesticide, organic, liquid, toxic, flammable.
- Sea** : Pesticide, organic, liquid, toxic, flammable.  
Marine pollutant.

## 15. REGULATORY INFORMATION

- Symbol** : X<sub>n</sub>, X<sub>i</sub>
- Indication of danger** : Harmful, Irritant.
- Risk phrase(s):**
- R 20/22** : Harmful by inhalation and if swallowed,
- R 36/37/38** : Irritating to eyes, respiratory system and skin.
- R 41** : Risk of serious damage to eyes.
- R 43** : May cause sensitisation by skin contact.
- R 50** : Very toxic to aquatic organisms.
- R 57** : Highly toxic to bees.

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**Safety phrases:**

- S 2** : Keep out of reach of children.
- S 23** : Do not breathe vapour/spray.
- S 24/25** : Avoid contact with skin and eyes.
- S 36/37/38** : Wear suitable protective clothing, gloves and eye/face protection.

**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