



MATERIAL SAFETY DATA SHEET

ULTRACARE GOLD

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ULTRACARE GOLD
Product type: Penetrating water repellent, high sheen wood finish for exterior and interior use
Supplier: **TIMBERLIFE (PTY) LTD**
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2. COMPOSITION / INFORMATION ON INGREDIENTS

ULTRACARE GOLD is a mixture of drying oils, resins, waxes, UV absorbers, light stabilizers with insecticidal and fungicidal/algicidal additives in aliphatic and aromatic petroleum solvents.

Chemical nature and use:

UltraCare Gold is a high quality, penetrating water repellent sealer that has been specially formulated to protect outdoor timbers against the harsh South African climatic conditions. It contains an unique blend of high quality drying oils, resins and water repellent wax components as well as high performance UV absorbers and light stabilizers. These ingredients are dissolved in a formulated solvent carrier to deeply penetrate, nourish and stabilize the wood and ensure exceptional protection against water uptake and UV degradation caused by sunlight exposure. It dries to a clear, sheen finish that enhances the natural colour and beauty of wood. **UltraCare Gold** also contains insecticidal and fungicidal additives that provide added protection against wood borer and termite attack as well as mould growth and fungal discolouration, respectively. **UltraCare Gold** can also be used as a clear finish on “**Stain**” penetrating wood colouring stains or can be tinted to various shades of brown: Mahogany, Oregon, Teak, Oak, Dark Oak, Golden Brown and Walnut with Timberlife “**Solv-Tints**” that contain high quality, colour fast UV resistant transparent iron oxide pigments.

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Pesticidal active ingredients:

Cypermethrin (Synthetic pyrethroid)	2,0 g a.i./ ℓ (min.)
3 - (3,4 - dichlorophenyl) - 1,1 - dimethylurea (Diuron)	3,50 g a.i./ℓ (nom.)
3 - iodo - 2 - propinyl - butylcarbamate (IPBC)	1,25 g a.i./ℓ (nom.)
2 - octyl - 2H - isothiazol - 3 - one (OIT)	1,25 g a.i./ℓ (nom.)

Other ingredients:

Blend of drying oils, resins, waxes, UV absorbers and light stabilizers 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 harmful toxic by prolonged 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.

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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.

Flammability:

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

Specific Hazards:

May release irritating and toxic gases in case of fire.

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. Then dispose of at a class 1 disposal site.

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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.

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.

Keep containers tightly closed.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Organic liquid
Colour	:	Transparent amber colour
Odour	:	Slightly aromatic
pH	:	Slightly acidic
Temperature stability	:	Stable at temperatures of up to 60°C
Melting point	:	Not determined
Decomposition temperature	:	Above 60°C
Flammability	:	Flammable due to oil, resin, wax and solvent content
Explosion properties	:	Not established
Flash point	:	45°C
Density @ 20°C	:	± 0,85 kg/l
Solubility	:	Aliphatic and aromatic solvents

10. STABILITY AND REACTIVITY

Stability	:	Stable in neutral and slightly acidic media
Conditions to avoid	:	Elevated temperatures
Materials to avoid	:	Strong oxidants
Hazardous decomposition products	:	Toxic fumes of SO _x , CO, Cl ⁻ and NO _x may be evolved on combustion

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Based on Cypermethrin active ingredient ; See Section 2)	:	X Oral LD ₅₀ (rat) - Over 2565 mg/kg X Dermal LD ₅₀ (rat) - Over 8000 mg/kg X Inhalation LC ₅₀ (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 Irritant for skin, eye and mucous membranes May cause dermatitis if absorbed by the skin over a long period

12. ECOLOGICAL INFORMATION

Environmental effects	:	See Section 3, "Environmental effects"
Mobility	:	Active ingredients have relatively low mobility and absorbs to soil.
Degradability	:	Practically biodegradable but has a bactericidal effect.

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- Bioaccumulation** : Due to biodegradation and recommended application rates, it is unlikely that bioaccumulation will attain levels of environmental significance.
- Ecotoxicity** (Based on Cypermethrin active ingredient; See Section 2) :
- Birds:**
Minimally toxic to birds (data for technical material)
Acute oral LD₅₀: > 10000 mg/kg (mallard ducks)
> 2000 mg/kg (chickens)
 - Fish:**
Toxic to fish (data for technical material)
LC₅₀ (96 hr) : 0.69 µg/l (rainbow trout)
 - Bees:**
Highly toxic to bees (data for technical material)
LD₅₀ (oral) : 0,035 µg/bee
LD₅₀ (topical): 0,02 µg/bee
 - Daphnia:**
Very toxic to *Daphnia magna* (data for technical material)
The 48-hour LC₅₀ 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)
: 3082 (N.O.S. 3 - (3,4 - dichlorophenyl) – 1,1 -dimethylurea)
- 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, flammable.
Air / IATA : Pesticide, organic, liquid, flammable.
Sea : Pesticide, organic, liquid, flammable.
Marine pollutant.

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15. REGULATORY INFORMATION

Symbol	:	X _n , Xi
Indication of danger	:	Harmful, Dangerous for the environment.
Risk phrases:		
R 20/22	:	Harmful by inhalation and if swallowed,
R 36/37/38	:	Irritating to eyes, respiratory system and skin.
R 43	:	May cause sensitisation by skin contact.
R 51	:	Very toxic to aquatic organisms.
R 57	:	Highly toxic to bees.
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 26	:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/38	:	Wear suitable protective clothing, gloves and eye/face protection.
S 61	:	Avoid release to the environment.

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: April 2004