

## MATERIAL SAFETY DATA SHEET

### NUCRETE C

#### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	NUCRETE C
<b>Product type:</b>	Industrial timber water repellent
<b>Supplier:</b>	<b>TIMBERLIFE (PTY) LTD</b> P O Bo 73117, Lynnwood Ridge 0040, South Africa Tel: + 27 12 803 8595 Fax: + 27 12 803 8462 E-mail: <a href="mailto:timberlife@icon.co.za">timberlife@icon.co.za</a> Website: <a href="http://www.timberlife.co.za">www.timberlife.co.za</a>
Hazchem code:	3YE
UN no:	1223

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**NUCRETE C** is a blend of different waxes dissolved in paraffinic solvents.

##### Chemical nature and use:

**NUCRETE C** is a colourless organic solvent-based timber water repellent formulation containing a mixture of selected wax additives. It is **NOT** soluble in water. It penetrates timber depositing the water repellent additives and does not leave greasy surface residues. **NUCRETE C** is compatible with oils, creosote and most other organic-based coatings applied to timber. In some applications it can also act as a mold release agent on timber.

**NUCRETE C** is extensively used in the cement brick industry where timber brick pallets need protection against water absorption. The colourless nature of **NUCRETE C** does not cause any staining of paving bricks.

#### 3. HAZARD IDENTIFICATION:

Main hazard:	Flammable if heated
Chemical hazard:	Gives off irritant fumes in a fire – keep upwind. Can react with oxidizing agents. Can form explosive mixture with air. Harmful vapour/fumes.
Health effects:	
Eye contact:	Can be irritating and cause redness and pain.
Skin contact:	Prolonged contact can cause irritation reddening/itching of skin.

# NUCRETE C

Inhalation: Irritation to nose and throat. May cause headache, drowsiness, nausea and difficulty in breathing.

Ingestion: May cause nausea, vomiting, respiratory difficulties, headache and diarrhoea.

## 4. FIRST AID MEASURES

Eye contact: Flush with plenty of water for at least 15 minutes (remove contact lenses). Obtain medical advice.

Skin contact: Remove contaminated clothing immediately and drench affected skin with plenty of water. Wash with soap and water.

Ingestion: Give 250 ml of bland fluid (milk or water) to drink. If unconscious, keep warm. Get medical help immediately.  
**Do not induce vomiting of give anything by mouth to an unconscious person.**

Inhalation: Move to fresh air. Keep patient warm and administer oxygen. Administer artificial respiration if person stops breathing. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

Fire fighting media: CO<sub>2</sub>, foam, dry chemical

Special hazards: Gives off irritating fumes in a fire – keep upwind. Can form explosive mixture with air. Beware of re-ignition. Keep container(s) cool with water. Floats on water.

Protective clothing: Chemical protection suit, including breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing, keep upwind.

Environmental precautions: Prevent substance entering watercourses and sewers.

Small spills: Absorb spillage in earth or sand. Use flameproof equipment at incident site. Stop leaks if without risk. Wash spillage site thoroughly with water and detergent.

Large spills: Absorb spillage in earth or sand. Use flameproof

# NUCRETE C

equipment at incident site. Stop leaks if without risk. Wash spillage site thoroughly with water and detergent. Dike far ahead of liquid spill for later disposal.

## 7. HANDLING AND STORAGE

Suitable material: Mild steel tanks or drums. Store in area that is adequately ventilated.

Handling/Storage precautions: Product should be stored in covered or closed containers in areas that are adequately ventilated. storage conditions must be controlled to prevent overheating and pressure build-up in containers. No ignition sources. Use non sparking hand tools. Do not use compressed air for load transfer. Static electricity dangers will be present during emergency load transfer.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: TLV = 200 ppm

Engineering control measures: Enclose operations and/or provide local exhaust ventilation at the site of release. Where possible, pump directly from storage container to process containers.

Personal protection:

Respiratory: Not necessary under normal conditions. Airline respirator if TLV exceeds.

Hand: PVC gloves

Eye: Industrial safety glasses with side shield, safety goggles or face shield if splashing is possible.

Skin: Overalls or PVC apron. Protective creams can be applied

Other protection: A high standard of personal hygiene is essential. Hands should be washed before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly amber coloured liquid

Odour: Slightly praffinic

pH: Not applicable

Boiling point @ 760 mm Hg: 150°C - 200°C

Flash point (closed cup): 45°C

Flammability: Flammable if heated

Auto-ignition temperature: 305°C

Explosive properties: Hazard exists when exposed to heat or flame

# NUCRETE C

Oxidizing properties:	Non oxidizing
Vapour pressure @ 20°C:	3,2 mm Hg
Density @ 20°C:	0,74 kg/l
Solubility in Water:	Insoluble

## 10. STABILITY AND REACTIVITY

Conditions to avoid :	Overheating, sparks, open flame.
Incompatible materials:	Strong oxidizers. Incompatible with sulfuric acid, nitric acid, caustic, aliphatic amines and amides.
Hazardous decomposition products:	Carbon oxides. Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION:

Acute toxicity:	Exposure to high concentrations of vapour may cause nausea and headaches.
Skin and eye contact:	Skin and eye irritant
Chronic toxicity	No chronic effects have been reported

## 12. ECOLOGICAL INFORMATION

Aquatic toxicity:	May be toxic to aquatic life
Biodegradability:	Not available
Bio-accumulation:	None
Mobility:	Not available

## 13. DISPOSAL CONSIDERATIONS

Disposal methods:	<b>NUCRETE C</b> may be disposed of in sealed containers in a secure sanitary landfill or in approved incinerators.
Disposal of packaging:	As for <b>NUCRETE C</b> .

## 14. TRANSPORT INFORMATION

UN no.:	1223
Road/Rail transport:	ADR/RID u GGVS/GGVE
Sea transport:	IMDG/GGVSee
Air Transport:	ICAO – T u IATA – DGR
River/canal transport:	ADN/ADR

# NUCRETE C

## 15. REGULATORY INFORMATION

EEC hazard classification:	Not available
Risk phases:	R11 / 20 / 22 / 44 / 45.1 / 46 – 49
Safety phases:	S3,7,9 / 20,21 / 36 – 39 / 43.8 / 44 / 56
National legislation:	Not available

## 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 the present MSD 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:** October 2003