



# Material Safety Data Sheet

Conforms to ISO 11014:2009

## PINE DISINFECTANT

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**Product name** : PINE DISINFECTANT  
**Use/description of product** : Bactericide and deodorizer for multiple surfaces.  
**Company name** : Kiarah Chemicals  
 Unit 4  
 Cnr. Berry and Nederveen Road  
 Roodekop  
 Germiston  
 Tel: +2711 865 1199  
 Fax: +2711 856 3671  
 E-mail: kiarah@enyuka.com  
**Poison Centre** : 0861 555 777 or 021 658 5308

### 2. HAZARD IDENTIFICATION

**Main hazards** : No significant hazards.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous ingredients** : ■ ALKYL BENZYL AMMONIUM CHLORIDE  
 CAS 273-544-1  
 [Xn] R22; R34

### 4. FIRST-AID MEASURES

**Skin contact** : Wash immediately with plenty water  
**Eye contact** : Wash immediately with running water for 15 minutes. Seek medical attention should irritation persist.

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- Ingestion** : Wash mouth with running water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting.
- Inhalation** : Remove to fresh air

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable** : Extinguish with dry chemical powder, water spray, foam or fog
- Unusual fire/explosion hazard** : None
- Hazardous thermal decomposition products** : Not applicable
- Special fire-fighting procedures** : Fire fighters must wear positive pressure self-contained breathing apparatus full approved gear.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Suitable personal protective equipment
- Environmental precautions and clean-up methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal.

## 7. HANDLING AND STORAGE

- Handling** : Keep away from heat. Keep away from sources of ignition. Do not breathe fumes, vapor or spray.
- Storage** : Keep container tightly closed. Store in a cool well ventilated area. Keep out of reach of children.
- Packaging materials**
- Recommended use** : Use original container
- Not suitable** : No additional remark

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Engineering measures** : Proper ventilation of area
- Hygiene measures** : Wash hands after handling and before eating
- Personal protective equipment**
- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Wear personal protective equipment
- Hands** : Wear household gloves
- Eyes** : Wear safety glasses



## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid
- Colour** : Light orange
- Odour** : Pine

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**Boiling point** : 99.9°C (211.8°F)  
**Melting point** : May start to solidify at 4°C (39.2°F)  
**Solubility in water** : Soluble  
**Relative density** : 1.010 – 1.020  
**pH** : 6.0 – 9.0  
**Flash point** : Closed cup: Higher than 93.3°C (200°F)

## 10. STABILITY AND REACTIVITY

**Stability** : This product is stable.  
**Conditions to avoid** : Excessive heat  
**Materials to avoid** : Oxidizing agents.  
**Hazardous Decomposition Products** : N/A

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients** : Non Ionic surfactant

### Symptoms

**Skin contact** : There may be mild irritation at the site of the contact.  
**Eye contact** : There may be irritation and redness  
**Ingestion** : There may be irritation of the throat  
**Inhalation** : No symptoms

### Actions

**Skin contact** : Wash immediately with plenty water.  
**Eye contact** : Wash with running water for 15 minutes. Seek medical attention should irritation persist.  
**Ingestion** : Wash mouth with running water. If conscious, give half a litre of water to drink immediately. Seek medical attention

## 12. ECOLOGICAL INFORMATION

**Mobility** : Readily absorbed into soil.  
**Persistence and degradability** : Biodegradable.  
**Biocumulative potential** : Slight bioaccumulation potential.  
**Other adverse effects** : Slight ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS




**Methods of disposal** : Observe local disposal regulations

## 14. TRANSPORT INFORMATION

### Local/International transport regulations:

Regulatory information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information

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SABS 0228 CLASS	Not regulated	-	-			
IMDG Class	Not regulated	-	-			
IATA-DGR Class	Not regulated	-	-			

South African Transport Legislation: See SABS 0228, 0229, 0231, 0232-1, 0232-3, 1518

## 15. REGULATORY INFORMATION

### SABS 0263/EU Regulations

Hazard symbol(s) :



**Harmful**

Indication of danger :

Risk phrases :

Safety phrases :

Contains :

South Africa :

Storage legislation :

- : Harmful
- : R22 – Harmful if swallowed
- : R36/38 – Irritating to eyes and skin.
- : R43 – May cause sensitization by skin contact.
- : S2 - Keep out of reach of children.
- : S24 – Avoid skin contact.
- : S37 – Wear suitable gloves.
- : S46 – If swallowed, seek medical advice immediately and show this document, product container or label.
- : Alkylbenzyl Ammonium Chloride
- : See The Occupational Health & Safety Act 85 of 1993.
- : See SABS 072.

## 16. OTHER INFORMATION

This product is a highly concentrated disinfectant that will eliminate harmful microbes and prevent them from breeding, leaving surfaces aseptic

Notice to reader :

*The above information is believed to be correct but does not purport to be inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product*

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