



# Material Safety Data Sheet

Conforms to ISO 11014: 2009

## GERMATOL

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

**Product name** : GERMATOL  
**Product code** : BC13  
**Use/description of product** : General purpose disinfectant detergent.  
**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. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous ingredients** :
 

- CAUSTIC FLAKES  
CAS 68424-85-1  
[Xi] R36/38
- SODIUM HYPO  
CAS 9016-45-9

### 3. HAZARD IDENTIFICATION

**Main hazards** : No significant hazards. :

### 4. FIRST-AID MEASURES

#### Symptoms

**Skin contact** : May cause irritation.  
**Eye contact** : There may be irritation and redness.  
**Ingestion** : There may be soreness and redness of the mouth and throat.

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**Inhalation** : No symptoms.

**Actions**

- Skin contact** : Precautionary; rinse with water
- Eye contact** : Bathe eye in clean water for at least 15 minutes, lifting lower and upper eye lids. Get medical attention immediately.
- Ingestion** : DO NOT INDUCE VOMITING. If conscious, give large quantities of water.
- Inhalation** : Remove patient 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 (de)composition products** : Not applicable
- Special fire-fighting procedures** : Fire fighters must wear positive pressure self contained breathing apparatus and full turn out gear

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Stop leak if without risk. Do not allow to enter drains or water courses
- Environmental precautions and clean-up methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the Contaminated surface and allow evacuation through the sanitary system

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

**7. HANDLING AND STORAGE**

- Handling** : Keep away from heat. Keep away from sources of ignition. Do not breath fumes, vapor or spray.
- Storage** : Keep container tightly closed. Keep container in a cool well ventilated area. Keep out of reach of children
- Packaging materials Recommended use** : Use original container

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering measures** : Proper ventilation of area  
**Hygiene measures** : Wash hands before and after use

### Personal protective equipment

**Respiratory system** : Wear appropriate respirator when ventilation is inadequate.  
**Skin and body** : N/A  
**Hands** : Household gloves  
**Eyes** : Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** : Opaque liquid  
**Colour** : Clear  
**Odour** : SODIUM HYPO  
**Boiling point** : 99.9°C (211.8°F)  
**Solubility in water** : Soluble  
**Relative density** : 1.010  
**pH** : 8.5 – 9.0  
**Flash point** : Closed cup: Higher than 93.3°C (200°F)  
**Fire hazards in presence of various substances** : Flammable in presence of oxidising materials. Non flammable in presence of open flames, sparks and static charge

## 10. STABILITY AND REACTIVITY

**Stability** : This product is stable.  
**Conditions to avoid** : No additional remark.  
**Materials to avoid** : Excessive heat  
**Hazardous Decomposition Products** : Not applicable.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients** : Sodium Hypo and caustic soda  
**Routes of exposure** : Refer to section 4 for routes of exposure and corresponding symptoms

## 12. ECOLOGICAL INFORMATION




**Mobility** : Readily absorbed into soil.  
**General** : Partition coefficient (log Pow) <3.  
**Aquatic** : Toxic to aquatic organisms.

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**Biocumulative potential** : Readily biodegradable.

### 13. DISPOSAL CONSIDERATIONS

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

Regulatory information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
SABS 0228 CLASS	Not regulated	-	-			
IMDG Class	Not regulated	-	-			
IATA-DGR Class	Not regulated	-	-			

Disposal: via water treatment

Storage: not available

Recycling: not available

**Waste classification** : Not applicable

**European waste Catalogue (EWC)** : Not available

### 14. TRANSPORT INFORMATION

**Local/International transport regulations:**

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

### 15. APPLICATION

Dilute 1 part to 25 parts water. Apply to affected area. Leave to stand for 5 minutes, wash off. To disinfect use without dilution.

## 16. REGULATORY INFORMATION

### SABS 0263/EU Regulations

**Hazard symbol(s)** :



**Harmful**

**Indication of danger** :

Harmful

**Risk phrases** :

R22 – Harmful if swallowed  
 R36/38 – Irritating to eyes and skin.  
 R43 – May cause sensitization by skin contact.

**Safety phrases** :

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.

**Contains** :

Benzylammonium Chloride.

**Product use** :

Consumer application.

**South Africa** :

See The Occupational Health & Safety Act 85 of 1993.

**Storage legislation** :

See SABS 072

## 17. OTHER INFORMATION

**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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