

# Material Safety Data Sheet

Conforms to 91/155/EEC and ISO 11014-4

Page 1  
 Issued: 4/12/2007  
 Revision No. 1

## POWDER SANITIZER/BAC 1000

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

**Product name** : POWDER SANITIZER  
**Use/description of product** : Disinfectant for food preparation area and equipments  
**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  
**Emergency number** : 0861 555 777 OR 021 658 5308 (Poison Centre)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characteristic** : Chlorinated alkaline Powder  
**Ingredients** : ■ Sodium dichloroisocyanurate  
   CAS NO. 2893-78-9  
   [Xn] R36  
   (Xi) irritant

### 3. HAZARD IDENTIFICATION

**Main hazards** : Irritant and can form explosive reactions with nitrogen compounds  
**Inhalation** : Irritant – coughing, avoid dust inhalation  
**Skin contact** : Skin irritant may cause burns  
**Eye contact** : Burning, avoid eye contact at all times  
**Ingestion** : Burning of throat, poisonous when ingested

Doc Id /No	Control Copy No	Validity	Page No.	Revision No.
Powder sanitizerMSDS	CIRCULATION	15/06/2016	Page 1 of 5	Revision 1

#### 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.
- Inhalation** : May cause irritation.

##### Actions

- Skin contact** : Remove all contaminated clothing, and rinse immediately with plenty of Water
- Eye contact** : Flush with running water for 15 minutes. Seek medical attention if irritation continues.
- Ingestion** : Wash out mouth with running water for at least 15 minutes. Do not Induce vomiting. Seek medical attention.
- Inhalation** : Remove patient to fresh

#### 5. FIRE FIGHTING MEASURES

##### **Extinguishing Media**

- Suitable** : SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, foam or fog. Do not use water jet.

- Special Hazard** : Explosion mixture are formed in reaction with nitrogen Containing compounds

- Unusual fire/explosion hazard** : None
- Hazardous thermal** : Not applicable

- (De) composition products**
- Special fire-fighting procedures** : Fire fighters must wear positive pressure self contained breathing apparatus (SCUBA) and full turnout gear.

- Protection of fire fighters** : Be sure to use an approved/certified respirator or equivalent.

#### 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 the drains. Avoid prolonged skin contact and do not mix with any other chemical

- 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 into Contaminated surface and allow to evacuate through the sanitary system. Do not discharge large quantities into storm water drains.

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

#### 7. HANDLING AND STORAGE

- Handling** : Handle with care do not mix with any other chemical. Keep away Water.

- Storage** : Store in a cool dry place. Keep container closed all the time.

Doc Id /No	Control Copy No	Validity	Page No.	Revision No.
Powder sanitizerMSDS	CIRCULATION	15/06/2016	Page 2 of 5	Revision 1

**Packaging materials**  
**Recommended use**  
**Not suitable**

Avoid storing near acids and nitrogen containing compounds.  
: Use original container  
: No additional remark

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering measures** : Provide exhaust ventilation or other engineering controls to keep concentration of dust in the respective occupational limits. Ensure that eyewash stations and safety showers are proximal to the Work-station location.

**Hygiene measures** : Wash hands after handling and before eating.

**Occupational exposure limits** : Not applicable.

**Personal protective equipment**

- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Lab coat.
- Hands** : Not applicable
- Eyes** : Safety glasses



## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** : chlorine alkaline Powder.

**Colour** : Off White

**Odour** : Chlorine

**Solubility in water** : Soluble

**PH (1%) solution** : 5.00 – 11.5

**Volatile Organic Matter (g/l)** :

**Vapour density** : Not applicable.

**Vapour pressure** : Not applicable.

**Flash point** : Not applicable.

## 10. STABILITY AND REACTIVITY

**Stability** : This product is stable under normal condition.

**Conditions to avoid** : No additional remark.

**Materials to avoid** : Oxidizing agents containing compounds (e.g. ammonia, amine etc)  
Acids, releases toxic explosive fumes. Never mix with any other  
Chemicals

**Hazardous Decomposition Products** : When mixed with nitrogen containing compounds releases toxic  
explosive fumes

## 11. TOXICOLOGICAL INFORMATION (based on sodium dichloroisocyanurate)

Doc Id /No	Control Copy No	Validity	Page No.	Revision No.
Powder sanitizerMSDS	CIRCULATION	15/06/2016	Page 3 of 5	Revision 1

- Toxicity** : Acute oral rat LD50: 735mg/kg  
Acute dermal rabbit LD50 200 mg/kg
- Routes of exposure** : Refer to section 4 for routes of exposure and corresponding symptoms

## 12. ECOLOGICAL INFORMATION ( based on sodium dichloroisocyanurate)




- Acute toxicity** : 96h LC50 0.22mg/l
- Bacterial** : The product can be toxic to plants and other living organisms at excessive quantities.
- Biodegradability** : The product is readily biodegradable
- Bioaccumulation** : No possibility

## 13. DISPOSAL CONSIDERATIONS

- Methods of disposal** : Type: Non hazardous chemical waste  
Location: not available  
Classification: not available  
Disposal: via water treatment  
Storage: not available  
Recycling: not available
- Waste classification** : Permissible under application rules, regulations of the laws governing your location
- Disposal of packaging** : Recycle or provide to drum collectors

## 14. TRANSPORT INFORMATION

### Local/International transport regulations:

Regulatory information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
	3082	-	-			
ADR/RID Class		-	III			
IMDG Class	Not regulated	-	-	Class 9 Irritant powder		

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

## 15. REGULATORY INFORMATION

Doc Id /No	Control Copy No	Validity	Page No.	Revision No.
Powder sanitizerMSDS	CIRCULATION	15/06/2016	Page 4 of 5	Revision 1

**SABS 0263/EU Regulations**

**Hazard symbol(s)**

:



**Harmful**

**Indication of danger**

: Harmful

**Risk phrases**

: R22 – R36/37/R38, R41 Harmful if swallowed  
R36/38 – Irritating to eyes and skin.  
R43 – May cause sensitization by skin contact.

**Safety phrases**

: S22, S24/25, and S26 - 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.

**Product use**

: Consumer application.

**South Africa**

: See The Occupational Health & Safety Act 85 of 1993.

**Storage legislation**

: See SABS 072

**16. OTHER INFORMATION**

This product is a detergent disinfectant that will function to clean all surfaces and disinfect them leaving them 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. The data relates only to the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process.*

Doc Id /No	Control Copy No	Validity	Page No.	Revision No.
Powder sanitizerMSDS	CIRCULATION	15/06/2016	Page 5 of 5	Revision 1