



Material Safety Data Sheet

Conforms to ISO 11014:2009

BLEACH 3.5% / 5%

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

Product name : BLEACH
Use/description of product : Bleach and disinfectant solution.
Company name : Kiarah Chemicals
 Unit 4
 Cnr. Berry and Nederveen Road
 Roodekop
 Germiston
Poison Centre : 0861 555 777 or 021 658 5308

2. HAZARD IDENTIFICATION

Main hazards : Irritant to eyes.
 Irritating to eyes and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This chemical product is a mixture

Hazardous ingredients : ■ SODIUM HYPOCHLORITE .
 CAS 7681-52-9
 [Xi] R10; R36/38

4. FIRST-AID MEASURES

Skin contact : Wash immediately with running water
Eye contact : Wash immediately with running water for 15 minutes and seek medical attention should irritation persist
Ingestion : Wash mouth with running water. If patient is conscious rinse give half a litre of milk. Do not induce vomiting
Inhalation : Move to fresh air, should any complications arise seek medical attention

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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** : Chlorine gas
- Special fire-fighting procedures** : Fire fighters must wear positive pressure self-contained breathing apparatus and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear 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 use.

7. HANDLING AND STORAGE

- Handling** : Keep away from heat. Keep away from sources of ignition.
- 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

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 protective personal equipment
 - Hands** : Wear house hold gloves
 - Eyes** : Wear safety glasses



9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Free flowing liquid
- Colour** : Slightly yellow
- Odour** : chlorine
- Boiling point** : >99.9°C (211.8°F)
- Oxidising** : Powerful oxidizing agent.
- Solubility in water** : Soluble
- Relative density** : 1.082
- pH** : 9 - 13

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10. STABILITY AND REACTIVITY

Stability	: This product is stable.
Materials to avoid	: Acids and metals
Hazardous Decomposition Products	: Reacts with acids and metals to produce toxic chlorine gas

11. TOXICOLOGICAL INFORMATION

Symptoms

Skin contact	: May cause irritation on sensitive skin
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	: Wash immediately with running water
Eye contact	: Wash with running water for 15 minutes. Seek medical attention should irritation.
Ingestion	: Wash mouth with running water. If conscious give patient half a litre of milk
Inhalation	: Move to fresh air, should any complications arise seek medical Attention

12. ECOLOGICAL INFORMATION



Mobility	: Readily absorbed into soil.
Persistence and degradability	: Biodegradable.
Biocumulative potential	: No bioaccumulation potential.
Other adverse effects	: Slight ecotoxicity.

13. DISPOSAL CONSIDERATIONS


Methods of disposal : Observe local disposal considerations

14. TRANSPORT INFORMATION

Local/International transport regulations:

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

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IATA-DGR Class	Not regulated	-	-			
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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

Product use

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.
- : Sodium Hypochlorite.
- : Bleaching agent and disinfectant
- : See The Occupational Health & Safety Act 85 of 1993.
- : See SABS 072

16. OTHER INFORMATION

This product is a bleaching agent that leaves white textiles snowy white. This product also functions as a disinfectant

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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