



Material Safety Data Sheet

Conforms to ISO 11014:2009

HYDROGEN PEROXIDE

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

Product name : **HYDROGEN PEROXIDE**
Product code : LC5
Use/description of product : Bleaching
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 : 0800 333 444 (Poison Centre)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristic : **LIQUID**
Ingredients : ■ **HYDROGEN PEROXIDE 30-50%**
 CAS 410486-00-7
 [Xn] R36

3. HAZARD IDENTIFICATION

Main hazards : Cause severe skin burns and eye damage.
 : Harmful if swallowed or if inhaled
 : May cause respiratory irritation
 : May intensify Fire; oxidizer.

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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** : Wash immediately with plenty water.
- Eye contact** : Bathe with running water for 15 minutes. Seek medical attention.
- Ingestion** : Wash out mouth with running water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Transfer to hospital as soon as possible.
- Inhalation** : immediately Seek medical help.

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.
- Not suitable** : No additional remark.
- 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.
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 evacuating through the sanitary system

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

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7. HANDLING AND STORAGE

- Handling** : Keep away from heat. Keep away from sources of ignition. Empty containers poses a fire risk.
Ground all equipment containing material. Do not breathe fumes, vapour or spray. Do not mix with bleach or chlorinated products – will cause chlorine gas.
- Storage** : Keep container tightly closed. Keep container in a cool well ventilated area. Do not store below 0°C (32°F)
- Packaging materials**
- Recommended use** : Use original container
- Not suitable** : No additional remark

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep concentration of vapours 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, smoking using lavatory and at the end of the day.
- Occupational exposure limits** : Not applicable.
- Personal protective equipment**
- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Lab coat.
- Hands** : Gloves
- Eyes** : Safety glasses



9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : LIQUID
- Colour** : Clear
- Odour** : Sharp
- Odour threshold** : Not Available
- Boiling point** : Not applicable
- Melting point** : Not applicable
- Oxidising** : Non oxidizing (by EC criteria)
- Solubility in water** : Miscible with water
- Relative density** : 0.6 – 1.0
- pH** : 1% 10-1
- Volatile Organic Matter (g/l)** : 0
- Vapour density** : Not applicable
- Vapour pressure** : Not applicable
- Flash point** : Not applicable
- Fire hazards in presence of various substances** : Not applicable
- Evaporation rate (butyl acetate =1)** : Not applicable

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Autoignition temperature : Not applicable
Explosive properties : Not applicable

10. STABILITY AND REACTIVITY

Stability : This product is stable.
Conditions to avoid : Avoid exposure to heat.
Materials to avoid : Slightly reactive to reactive with oxidising agents.
Hazardous Decomposition Products : Oxygen, which will support combustion.

11. TOXICOLOGICAL INFORMATION

Ingestion: Swallowing can result nausea, vomiting, diarrhea, abdominal pain and chemical burns the gastrointestinal tract. Decomposition may occur in the Stomach leading to the production for oxygen gas. This may cause distension for the stomach and the possibly of some bleeding. Death may occur if large amounts are ingested.

Eye contact: A severe ye irritant. Corrosive to eyes; contact may cause corneal burns. Contamination of eyes can result impermanent injury.

Skin contact: Contac with skin will result in severe irritation. Corrosive to skin –may cause skin burns

Inhalation : Breathing in vapor will produce respiratory irritation.

Hazardous ingredients : Sodium Percarbonate Oral Rat LD50 2.567 mg/kg
Routes of exposure : Refer to section 4 for routes of exposure and corresponding symptoms

12. ECOLOGICAL INFORMATION

Mobility : **Not** readily absorbed into soil.
Persistence and degradability : Not persistent in aquatic systems.
Biocumulative potential : Slight bioaccumulation potential.
Other adverse effects : Does not contribute to BOD.




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

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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	-	-			
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 :

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

: Sodium Percarbonate

Product use

: Consumer application.

South Africa

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

Storage legislation

: See SABS 072

16. OTHER INFORMATION

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Other special considerations : Not available

History

Date of printing : 12/11/2014

Date of issue : 12/11/2014

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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