

Material Safety Data Sheet

Conforms to ISO 11014:2009

MAGIC BRICK CLEANER

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

Product name : MAGIC BRICK CLEANER
Use/description of product : Brick and concrete cleaning liquid.
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

Emergenct number : 0861 555 777 OR 021 658 5308 (Poison Centre)

2. HAZARD IDENTIFICATION

Main hazards :

- : Harmful by inhalation.
- : Harmful in contact with skin.
- : Harmful if swallowed
- : Harmful in contact with eyes



3. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous ingredients : ■ Hydrochloric acid
CAS 6834-92-0
[Xi] R37

4. FIRST-AID MEASURES

- Inhalation** : Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
- 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.
- Skin contact** : Immediately flush with water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with petroleum jelly. Wash clothing before reuse. Get medical attention

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 (de)composition products** : Not applicable
- 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 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 to evacuate 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. Empty containers poses a fire risk, evaporate the residue under a fume hood.

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Storage

- Ground all equipment containing material. Do not breathe fumes, vapour or spray.
- : Keep container tightly closed. Keep container in a cool well ventilated area. Do not store below 0°C (32°F)

Packaging materials

Recommended use
Not suitable

- : 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 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

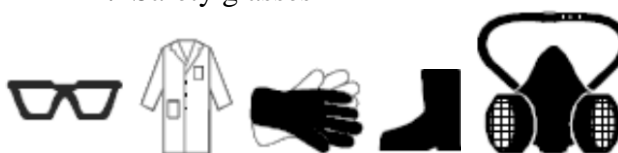
- : Lab coat.

Hands

- : Not applicable

Eyes

- : Safety glasses



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

- : Clear liquid

Colour

- : Greenish

Boiling point

- : 100°C

Oxidising

- : Non oxidizing (by EC criteria)

Solubility in water

- : Complete

Relative density

- : 1.030 – 1.040

pH

- : conc. 11.5

Flash point

- : Closed cup: Higher than 93.3°C (200°F)

Autoignition temperature

- : >100°C (210°F)

Explosive properties

- : Risks of explosion of the product in the presence of mechanical impact: None
- Non explosive in the presence of open flames, sparks and static discharge.

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10. STABILITY AND REACTIVITY

- Stability** : This product is stable.
Conditions to avoid : Strong acids, oxidizers. Avoid contact with glass.
Materials to avoid : Slightly reactive to reactive with oxidising agents.
Hazardous Decomposition Products : Smoke, fumes and oxides of carbon.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients** : 2-butoxyethanol
Oral Rat LD50 470 mg/kg

Symptoms

- Skin contact** : Prolonged and severe over-exposure can result in death. Hazardous in case of prolonged skin contact. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally blistering.
- Eye contact** : Extremely hazardous in case of eye contact (irritant, sensitizer). Inflammation of the eye is characterized by redness, watering and itching.
- Ingestion** : Hazardous in case of ingestion. Characterised by soreness and redness of the mouth and throat.
- Inhalation** : Slightly hazardous in case of inhalation (lung irritant).
- Aggravating conditions** : Repeated over-exposure may produce general deterioration of health by an accumulation in one or many human organs. Repeated or prolonged inhalation of vapours may lead to chronic respiratory irritation.

Actions

- Inhalation** : Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
- 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.
- Skin contact** : Immediately flush with water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with petroleum jelly. Wash clothing before reuse. Get 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** : Type: Non hazardous chemical waste
Location: not available
Classification: not available

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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:

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.

Product use :

Consumer application.

South Africa :

See The Occupational Health & Safety Act 85 of 1993.

Storage legislation :

See SABS 072

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16. OTHER INFORMATION

This product functions to eliminate stubborn stains graffiti on concrete and brick surfaces.

Notice to reader

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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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