Material Safety Data Sheet
Conforms to ISO 11014

DRAIN CLEANER LIQUID

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

Product name: DRAIN CLEANER
Use/description of product: DRAIN CLEANER AND UNBLOCKER.
Company name: Kiarah Chemicals
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Cnr. Berry and Nederveen Road
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Germiston
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Fax: +2711 856 3671
E-mail: kiarah@enyuka.com

Emergenct number: 0861 555 777 or 021 658 5308

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients:
- SULPHURIC ACID
  CAS 1310
  [Xi] R35;

3. HAZARD IDENTIFICATION

Main hazards: Corrosion
4. FIRST-AID MEASURES

**Symptoms**

**Skin contact**: Causes severe burns

**Eye contact**: Extremely hazardous in case of eye contact (corneal damage). Inflammation of the eye is characterized by redness, watering and itching.

**Ingestion**: There may be soreness and redness of the mouth and throat.

**Inhalation**: Slightly hazardous in case of inhalation (throat irritant).

**Aggravating conditions**: Repeated over-exposure may aggravate general deterioration of health and respiratory irritation. Effects of exposure may be delayed.

**Actions**

**Inhalation**: Remove to fresh air. If breathing is difficult, give oxygen or give Cardiopulmonary Resuscitation (CPR).

**Eye contact**: Rinse with running water for 15 minutes (holding eye lids open). Seek medical attention IMMEDIATELY. Repeat flushing until medical assistance arrives, even during transportation to medical centre/hospital.

**Ingestion**: Wash out mouth with running water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Seek medical attention IMMEDIATELY. Contact poison centre.

**Skin contact**: Immediately flush with water for at least 15 minutes while removing contaminated clothing and shoes (discard heavily soiled clothing and shoes to limit further exposure. Wash clothing before reuse. Repeat flushing until medical assistance arrives, even during transportation to medical centre/hospital.

**NOTE TO PHYSICIANS**: This product contains materials that may cause severed pneumonitis if aspirated. Observe patient for respiratory difficulty. Patient should be kept under medical review for at least 48 hours. DO NOT attempt to neutralize the acid with weak bases since the reaction will produce heat that may extend the corrosive injury.

5. FIRE FIGHTING MEASURES

**Extinguishing Media**

**Suitable**: SMALL FIRE: Use DRY chemical powder.

**Not suitable**: LARGE FIRE: Use water spray, foam or fog. Do not use water jet.

**Unusual fire/explosion hazard**: No additional remark.

**Hazardous thermal (de)composition products**: None

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

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, do not breathe fumes, vapor or spray. Use EXTREME care when diluting with water. Always add acid to water, never reverse the dilution method. CAUTION: Hydrogen is a highly flammable gas. People using this Chemical should be properly trained regarding hazards & safety.

Storage: Keep container tightly closed. Keep container in a cool well ventilated area. Do not store below 0°C (32°F). Keep out of reach of children.

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 before and after use at least 3 times

Occupational exposure limits: Not applicable.

Personal protective equipment
- Respiratory system: Wear appropriate respirator
- Skin and body: Wear personal protective clothing
- Hands: Wear rubber gloves
- Eyes: Wear safety glasses
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid  
Colour : clear to amber  
Odour : acidic  
Oxidising : Non oxidizing (by EC criteria)  
Solubility in water : Soluble  
Boiling point : 193 degrees C  
Freezing point : -11.2 degrees C  
Evaporation Rate : Not applicable  
Relative density : 1.080  
pH : conc. 12  
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.

10. STABILITY AND REACTIVITY

Stability : This product is stable.  
Conditions to avoid : Excessive heat & sources of ignition  
Materials to avoid : Organic materials (such as alcohol, acrylonitrile, chlorates, carbides  
Epichlorohydrin, fulminates, isoprene, nitrates and picrates)  
Contact with metals may produce flammable hydrogen gas  
Hazardous Decomposition Products : Not applicable.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients : SULPHURIC ACID  
Routes of exposure : Refer to section 4 for routes of exposure and corresponding symptoms.

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 : Observe local disposal methods
14. TRANSPORT INFORMATION

Local/International transport regulations:

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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):

![Hazard Symbol]

CORROSIVE

Indication of danger: Harmful

Risk phrases:
- R35 – Cause severe burns
- 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.


Storage legislation: See SABS 072
**APPLICATION**

Pour into affected area. Leave to stand for approximately 5 minutes. Product works automatically to unblock drain.

16. **OTHER INFORMATION**

Other special considerations : Extremely corrosive

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*