

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name: Liquid hygiene

Common Name: Liquid bleach

Product Form: Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance or mixture: Liquid bleach for professional, industrial and domestic use.

Uses advised against: Uses other than those identified are not recommended.

1.3 Details of the supplier of the safety data sheet

Enviro Det (Pty) Ltd
Stand No M36
BA Gamotlharo Tribal Road
Northern Cape
8460

Contact Details

(+27) 53 285 0944

1.4 Emergency Telephone Number

For medical or environmental emergencies only:

(+27) 53 285 0944

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Skin Irrit. 2	H315
Eye Dam.1	H318
Aquatic Acute 2	H401

2.2 Label Elements

Hazard Pictogram



Signal Word: Danger

Hazard Statements

H315 - Causes skin irritation.

H318 - Causes serious eye damage

H401 - Toxic to aquatic life

Precautionary Statements

P264 - Wash exposed skin thoroughly after handling

P273 - Avoid release to the environment

P280 - Wear protective gloves, protective clothing, eye protection, face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a poison centre or doctor/physician.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container to comply with local, state, and federal regulations.

2.3 Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

Substance Name	Cas No.	% Weight	Classification
Sodium Hypochlorite	7681-52-9	35 - 40	Unst. Expl, H200 Ox. Sol. 2, H272 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures general:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact:

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician.

First-aid measures after ingestion:

Rinse mouth with water. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation : No known effects or symptoms in normal use.

Skin contact : Causes skin irritation.

Eye contact : Causes serious eye damage.

Ingestion : No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam. Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet. Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye or face protection.

Do not enter fire area without proper protective equipment, including respiratory protection.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not prevent fire-fighting water from entering environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

No action shall be taken involving any personal risk or without suitable training.

Safety glasses. Protective clothing. Gloves.

Evacuate unnecessary personnel.

Equip clean-up crew with proper protection. Ventilate area.

6.2 Environmental precautions

Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water. Notify the relevant regulatory body and authorities if liquid enters sewers or public waters. Avoid release to the environment. Spillages or uncontrolled discharges must be reported immediately to the relevant regulatory body and authorities.

6.3 Methods and material for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For waste disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Advice on general occupational hygiene:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink, and animal feeding stuffs. Keep out of reach of children. Wash hands thoroughly after handling. Use in a well-ventilated area. See chapter 8.2, Exposure controls and or Personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well-ventilated place away from incompatible materials. Keep container closed when not in use. Keep out of reach of children.

Incompatible materials: Sources of ignition. Direct sunlight. Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by manufacturer. Strong reducing agents. combustible materials. aluminium. metals. Ammonia. Strong acids.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable.

8.2 Exposure controls

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Personal protective equipment

- **Hand protection:** Wear protective gloves
- **Eye protection:** Chemical or safety glasses
- **Skin and body protection:** Wear suitable protective clothing
- **Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- **Other information:** Do not eat, drink, or smoke during use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	: Liquid
Colour	: Slightly yellow to colorless
Odour	: Chemical
pH	: 11 - 14
Melting Point	: Not determined
Boiling Point	: Not determined
Flash Point	: Not determined
Ignition Temperature	: Not determined
Explosive Properties	: Not determined
Density	: 1.00 -1.03 g/ml
Solubility in water	: Soluble in water

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

Reacts violently with acids. May react violently with reducing agents. Contact with acids liberates toxic gas.

10.4 Conditions to avoid

Incompatible materials. Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong reducing agents. Water. Zinc. Metals. Aluminium. Ammonia. Strong acids.

10.6 Hazardous decomposition products.

Hydrogen Chloride. Chlorine. Phosgene.

SECTION 11: Toxicological information

	Sodium Hypochlorite
Toxicity Data	Reproductive toxicity: Not classified. Specific target organ toxicity (single exposure): Not classified Specific target organ toxicity (repeated exposure): Not classified Aspiration hazard: Not classified Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
Eye	Causes serious eye damage.
Skin	Causes skin irritation.
Ingestion	Harmful if swallowed. Adverse symptoms may include stomach pains.
Inhaled	Respiratory/skin sensitisation:
Other	No data available

SECTION 12: Ecological information

	Sodium Hypochlorite
Ecotoxicity	EC50 Daphnia 1: 2.1 mg/l (EC50; 96 h) LC50 fish 2: 0.19 mg/l (LC50; 96 h) Threshold limit algae 1: 0.84 mg/l (EC50; 24 h)
Persistence/Degradability	Readily biodegradable
Mobility	No data available

Environmental Fate	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Bioaccumulation Potential	Not bioaccumulative.
Environmental Impact	No data available
Biodegradability	Readily biodegradable

SECTION 13: Disposal considerations

13.1 Waste treatment and disposal methods

The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable product(s) via a licensed waste disposal contractor and in accordance with local, regional and or national regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Care should be taken when handling emptied containers that have not been cleaned or rinsed out

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

- 14.1 UN number** : UN 1760
- 14.2 UN proper shipping name** : Corrosive Liquid
- 14.3 Transport hazard class(es)** : 8
- 14.4 Packing group** : III
- 14.5 Environmental hazards** : No data available
- 14.6 Special precautions for user** : No data available

SECTION 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS)

Hazard Pictograms



Signal word: Danger

Hazard-determining component of labelling

Sodium Hypochlorite

Hazard Statements

Causes skin irritation.

Causes serious eye damage

Toxic to aquatic life

Precautionary Statements

Avoid release to the environment.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

End of Safety Data Sheet.