

## SAFETY DATA SHEET

PRODUCT NAME: BRITEX

<b>1. Product and Company identification</b>	
Product Name	BRITEX
Product Description	Concentrated Chlorine Bleach
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Pale Yellow Liquid
Components contributing to the hazard	Sodium Hypochlorite 9%
Chemical or generic name of components	Liquid bleach
Concentration range	Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Corrosive label 8
Major hazard	Severe Irritant
UN/ CAS	UN 1791/ CAS 7681-52-9
R-Phrases	R21, R22, R34, R41

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Corrosive /Class 8
Adverse human health affects	Severe irritant to eyes, skin and if ingested. Pulmonary irritant
Environmental effects	Corrosive to animal and vegetable tissue
Classification of the chemical product	Handle open container with great care Not explosive of flammable

<b>4. First Aid Measures</b> (Wear PVC gloves, eye protection when handling contaminated clothing)	
Action to be avoided	Do not induce vomiting
Inhalation	May cause irritation and damage to the respiratory tract; move patient from exposure to fresh air
Skin contact	Remove contaminated clothing; wash with large quantities of water and rinse with a dilute solution of vinegar. Obtain medical assistance.
Eye contact	Act quickly; keep eyes open and flush with clean water for at least 30 minutes.
Ingestion	Wash out mouth with water; give +300ml of water to drink to dilute material in stomach. Do not induce vomiting and obtain medical attention
Note to physician	Treat symptomatically as for Sodium Hypochlorite

SAFETY DATA SHEET

PRODUCT NAME: BRITEX

<b>5. <u>Fire fighting measures</u></b>	
Extinguishing media	Small Fires: Dry chemical, CO2, Halon, water spray or standard foam Large Fires: Water spray, fog or standard foam is recommended
Precautions	Move container from fire area if you can do it without risk. Cool containers that are exposed to flames with water from the side until well after the fire is out. Stay away from ends of tanks. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind, keep out of low areas.
Special equipment for protection	Self contained breathing apparatus (S.C.B.A) and structural fire-fighter's protective clothing will provide limited protection

<b>6. <u>Accidental release measures</u></b>	
Personal precautions	Wear full protective clothing including a breathing apparatus.
Other precautions	Remove sources of heat and flame; restrict access to the spill area. Keep area well ventilated. Notify occupational and environmental authorities if applicable.
Methods for cleaning up recovery	Small spill: Take up with sand or other non-combustible absorbent material and place into clean, dry container and cover Move container from spill area Large spill: Dike far ahead of liquid spill for later disposal.

<b>7. <u>Handling and storage</u></b>	
Observe the usual precautionary measures for handling and storing chemicals Keep separate (at least 3m) from Flammable liquids, flammable solids, spontaneously combustibles	
Handling	Do not ingest, avoid eye contact Ensure container is properly closed and not leaking
Storage	Keep container tightly closed in a dry secure area. Store away from food stuff and out of reach of children. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

## SAFETY DATA SHEET

PRODUCT NAME: BRITEX

<b>8. Exposure controls/ Personal protection</b>	
<u>Control Parameters</u>	
Limit values	To be monitored at the work place
Biological standards	Refer to UN and R-Phrase numbers
Monitoring procedures	Keep container closed when not in use
Personal protective equipment	Refer to the S-Phrase data
Protective clothing	In abnormal conditions use an approved respirator and wear protective eyewear
Personal hygiene measures	Wash contaminated clothing before storage and re-use

<b>9. Physical and chemical properties</b>	
Form	Liquid
Colour	Clear Pale Yellow
Odour	Strong chlorine
PH Value	12 (as received)
Boiling point/ boiling range °C	Not ascertained
Flash point	Non flammable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	4.5mPa.s.
Specific gravity at 20°C	1.160 (+/- 0.02)

<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable in original container
Conditions/ materials to avoid	Reacts violently with acids. Do not mix with other chemicals.
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	Product is corrosive to all tissues
Local effects	Sever ulceration and scarring may result
Sensitisation	Cause severe skin and eye irritation
Chronic toxicity	No data available
Long term toxicity	No data available

SAFETY DATA SHEET

PRODUCT NAME: BRITEX

<b>12. Ecological information</b>	
Possible environmental effects	Dangerous to aquatic life
Behaviour and fate	Soluble in water. Avoid large product spillage from entering waterways
Persistence/ Biodegradability	No data available

<b>13. Disposal considerations</b>	
Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent – water Dispose according to local legal provisions

<b>14. Transport regulations</b>	
Packaging group	III
Classification	Class 8
UN number	UN 1791

<b>15. Regulatory information</b>	
National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R21 – Harmful in contact with skin
	R22 – Harmful if swallowed
	R34 – Causes burns
	R41 – Risk of serious damage to eyes
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal feeding stuff
	S18 – Open and handle container with care
	S25 – Avoid contact with eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice
	S27 – Remove contaminated clothing
	S36 – Wear suitable protective clothing
	S38 – In case of insufficient ventilation, wear suitable respiratory equipment

<b>16. Additional information (e.g. special training or restrictions on the products use)</b>	
Refer to product data sheet	
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.	