



Material Safety Data Sheet

Date: 31/01/2017

MSDS 025

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Bleach 5%	
Synonym	Disinfectant/Bleach/Detergent	
Chemical Family	Sodium Hypo Chlorite	
Chemical Formula	N/A	
Manufacturer/Supplier	Sanichem(PTY) Ltd 56 Ebony field Springfield Park Durban 4091	Emergency Telephone No +27 31 579 3222

Section 2. Composition and information on Ingredients

Name	CAS #	% by Weight
Sodium Hypo Chlorite	7681-52-9	5%

Section 3. Hazard identification

Potential Acute Health effects	This product is an eye irritant. Harmful if swallowed.
Potential Chronic Health Effects	Skin irritation will persist in sensitive cases.
Carcinogenic effects	Not Classified as a carcinogen

Section 4. First Aid Measures

Eye contact	In case of contact with eyes, rinse immediately with water
Skin Contact	Discontinue use if redness or irritation develops.
Inhalation	Remove to fresh air.
Ingestion	Do NOT induce vomiting. Drink plenty of water.
Notes to Physician	Treat symptomatically should above exposures persist.

Ensure First-aiders are aware of the materials involved, and take precautions to protect themselves

Section 5. Fire Fighting Measures

Flammable Properties	Although not considered to be flammable, caution Should be exercised for surrounding areas and fire.
Suitable Extinguishing Media	Water Spray or Foam on surrounding fires.
Special Measures	Cool container exposed to flames until well after fire is Out. Move containers from fire area, if it can be done Without risk. Notify appropriate authorities if there is a Risk of pollution.(surrounding fires)

Section 6. Accidental Release Measures

Personal Precautions	ELIMINATE all ignition sources in immediate area. The use Of gloves is a requirement and respirators (Basic). Dust Masks may well be adequate.
Small Spills and Leak	Absorb with inert material and place in appropriate waste disposal container or simply flush away with water.
Large Spill and Leaks	Absorb with dry earth or sand. Prevent entry into sewer. Once contained, dispose of according local regulating Bodies.

Section 7. Handling and Storage

Precautions	Keep in a cool place As good work practice.
Incompatibility	Acids and other oxidising material.
Storage	Flammable materials should be stored in separate safety Storage cabinets. Keep out of reach of children. Product Is for institutional and commercial use.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control Airborne levels.
Personal Protection	EYES BODY RESP HANDS Avoid contact with eyes. Safety glasses recommended. Apron would be suitable. Under normal conditions a respirator is not needed. Its meant to be used on hands as a disinfectant.

Occupational Exposure limits	N/A
Exposure limits	N/A

Section 9. Physical Properties

Physical State and Appearance	Clear Liquid
Odour	Chloride
Colour	Clear to pale yellow
Boiling Point	>100 Degree Celsius in solution
Specific Gravity	1.02 to 1.05
pH	11.5 to 12.5
Solubility	Soluble in water

Section 10. Stability and Reactivity Data

Stability	Stable under recommended storage conditions.(cool) Avoid light and heat.
Incompatibility	Ammonia, amines, ammonium salts, oxidisable metals, methanol, phenol and bisulphates..
Hazardous Decomposition	None

Section 11. Toxicological Information

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity.
Effects on Humans	EYES SKIN INHALATION INGESTION
Chronic Effects on Humans	Irritant. Redness, watering and itching. Sensitive skin types. Adequate ventilation required. Harmful if swallowed. May cause nausea and vomiting. Over-exposure by inhalation may cause respiratory irritation. If redness on skin or irritation occurs discontinue use. Mutagenicity is documented.

Section 12. Ecological Information

Eco toxicity	Non Observed
BOD5 and COD	Not available.
Products of Biodegradation	Readily biodegradable. Low bioaccumulation

Section 13. Disposal Consideration

Waste Information	Waste must be disposed of in accordance with local Environmental control regulations.
Waste Streams	Not available.

Section 14. Transport Information

Proper Shipping Name	Disinfectant
Classification	Packing group III
Other Measures	Do not transport with incompatible materials (see sect 10).

Section 15. Regulatory Information

Effects on Humans	EYES	Irritant. Redness, watering and itching.
	SKIN	Sensitive skin types.
	INHALATION	Adequate ventilation required.
	INGESTION	Harmful if swallowed. May cause nausea and vomiting
RISK PHASE	R22	Harmful if swallowed
Safety Phase	S26	In case contact with eyes, flush with plenty of water

Section 16. Other Information

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as at the date of issue. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability.