



Material Safety Data Sheet

KIK INTERNATIONAL

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	10% Bleach
Manufacturer:	KIK International 2921 Corder Street Houston Texas, 77054
Contact Number:	1 713 747-8710
24 Hour Emergency Contact:	1 800 255-3924
Prepared By:	KIK International Laboratory
Replaces Date:	March 21, 2005
Date Last Revised:	April 11, 2005

Section 2 Hazardous Ingredients

Name	%	CAS#	LD50/LC50
Sodium Hypochlorite	9 – 13	007681-52-9	N Av./N Av
Sodium Hydroxide	max 1.5%	001310-73-2	N Av./N Av

Section 3 Physical Data

State	Liquid	PH	12.3 – 12.9
Appearance	Clear Colorless	% Volatile	80% Approx.
Odor	Typical chlorine bleach	Boiling Point	105°C
Specific Gravity	1.15 min	Vapor Pressure	22mm Hg @ 20C
Solubility	100%		

Section 4 Fire & Explosion

Flammable: YES NO X
Means of Extinction: Water, Carbon Dioxide, Dry Chemical or Foam
Special Procedures: Fire fighters should wear self-contained breathing apparatus.
Flash Point: & Method: Not Applicable
Hazardous Combustion Products: Chlorine Gas.

Section 5 Reactivity Data

Chemical Stability: YES X NO
Conditions: Temperature above 40 °C, sunlight and metals,
Incompatibility: YES X NO
What Substances: Acids, ammonia, urea, metals & oxidizers.
Reactivity / Conditions: Not Applicable
Hazardous Decomposition Products: Chlorine gas released by contact with acids. Contact with ammonia or urea produces nitrogen gas and chloramines. Oxygen is released on contact with metals.

10% Bleach

Section 6 Toxicological Properties

Route of Entry

Skin Contact	X	Skin Absorption	Eye Contact	X
Inhalation Acute	X	Inhalation Chronic	Ingestion	X
Effects of Acute Exposure: Inhalation of vapors will irritate breathing passages and may cause breathing difficulty. CORROSIVE will cause severe irritation to eyes and skin. May cause permanent damage if not treated properly. Ingestion will cause burning sensation in mouth, throat and stomach. Will cause membrane irritation and pain and inflammation to digestive tract, Could cause vomiting and shock				
Effects of chronic exposure: None Known				
Carcinogenicity Reproductive Effects, Teratogenicity, and Mutagenicity: no known effects				

Section 7 Preventative Measures

Protective Equipment

Gloves: wear PVC or rubber gloves

Eyes: Eye goggles or shields

Respiratory: Not normally required

Footwear: regular footwear but rubber boots for spills

Clothing: wear a plastic jacket or apron; have safety shower and eye wash fountain available close by.

Leak and Spill: Leaking product may be transferred to clean plastic containers. Dilute small spills with water and add sodium sulfite or sodium metabisulfite and flush to sewer. Avoid runoff to ground water, surface water and sanitary sewers For major spills contain the spill and call supplier

Waste Disposal: Dispose of in accordance with local, state and federal regulations

Storage Requirements: Use polyethylene, polypropylene, FRP or PVC containers. Store product at -10C to 30C and away from sunlight or heat. Keep containers closed when not in use and keep out of reach of children

Section 8 First Aid Measures

Skin: Immediately wash with soap and water call physician if irritation develops

Eyes: Flush eyes with cool running water, holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.

Inhalation: Move to fresh air and restore breathing, if required. If symptoms persist call physician

Ingestion: DO NOT INDUCE VOMITING! Rinse mouth with water, then drink large amounts of water or milk. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.

General Advice: If irritation persists see a doctor immediately.

Section 9 Regulatory Information

WHMIS Rating: Health Hazard 3
Fire Hazard 0
Reactivity 2

DOT: Hypochlorite Solution 8, UN 1791 III

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