



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	12% Trade Industrial Bleach Ref#40000139
Manufacturer:	KIK Custom Products 2921 Corder Street Houston Texas, 77054
Contact Number:	Tel: 905-660-0444
24Hr Emergency Contact:	1-800-255-3924
Prepared By:	KIK CUSTOM PRODUCTS Laboratory
Date Last Revised:	October 31, 2007
Replaces Date:	June 21, 2005

Section 2. Hazardous Ingredients

Name	%	CAS#	LD50/LC50
Sodium Hypochlorite	9 – 13	7681-52-9	5800mg/kg/ >10500 mg/m ³ (1hr)
Sodium Hydroxide	max 1.5%	1310-73-2	500 mg/kg/ N Av

Section 3. Physical Data

State	Liquid	pH	12.3 – 12.9
Appearance	Clear yellow	% Volatile	80% Approx.
Odour	Typical chlorine bleach	Boiling Point	105°C
Specific Gravity	1.15 min	Vapour Pressure	22mm Hg @ 20°C
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 and 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.



12% TRADE INDUSTRIAL 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 vapours will irritate breathing passages and may cause breathing difficulty. CORROSIVE will cause sever 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: Not Known				
Carcinogenicity Reproductive Effects, Teratogenicity, and Mutagenicity: Effects not known				

Section 7. Preventative Measures

Protective Equipment	
Gloves: Impervious PVC, Neoprene, or rubber gloves	Eyes: Chemical splash goggles. Face shield.
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 large quantities of water and add sodium sulfite or sodium metabisulfite and flush to sewer. Large spills: Contain run-off by diking with suitable material. Avoid runoff to ground water, surface water and sanitary sewers. Soak up liquid on inert absorbent and transfer to approved container.	
Waste Disposal: Dispose of in accordance with local, state, and federal regulations	
Storage Requirements: Use polyethylene, polypropylene, FRP or PVC containers. Store product at -10°C to 30°C and away from sunlight or heat. Keep containers closed when not in use. Store in dry, well-ventilated area, 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. 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

HMIS Rating: Health Hazard	3
Fire Hazard	0
Reactivity	2

DOT: Hypochlorite Solution 8, UN 1791 III
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