



## Material Safety Data Sheet

### *Section 1. Chemical Product and Company Identification*

<b>Product Name/Trade Name</b>	<b>10% Bleach</b> Ref#40000020
<b>Manufacturer:</b>	KIK CUSTOM PRODUCTS 2921 Corder Street Houston Texas, 77054
<b>Contact Number:</b>	Tel: 713-747-8710
<b>Emergency Contact:</b>	Tel: 1-800-255-3924
<b>Prepared By:</b>	KIK CUSTOM PRODUCTS Laboratory
<b>Date Last Revised:</b>	<b>October 31, 2007</b>
<b>Replaces Date:</b>	June 21, 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*

<b>State</b>	Liquid	<b>pH</b>	12.3 – 12.9
<b>Appearance</b>	Clear Colorless	<b>% Volatile</b>	80% Approx.
<b>Odour</b>	Typical chlorine bleach	<b>Boiling Point</b>	105°C
<b>Specific Gravity</b>	1.15 min	<b>Vapour Pressure</b>	22mm Hg @ 20C
<b>Solubility</b>	100%		

### *Section 4 Fire & Explosion*

<b>Flammable:</b> YES      NO X
<b>Means of Extinction:</b> Water, Carbon Dioxide, Dry Chemical or Foam
<b>Special Procedures:</b> Fire fighters should wear self-contained breathing apparatus.
<b>Flash Point: &amp; Method:</b> Not Applicable
<b>Hazardous Combustion Products:</b> 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
<b>Effects of Acute Exposure:</b> Inhalation of vapours 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				
<b>Effects of chronic exposure:</b> None Known				
<b>Carcinogenicity Reproductive Effects, Teratogenicity, and Mutagenicity:</b> 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.	
<b>Leak and Spill:</b> 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	
<b>Waste Disposal:</b> Dispose of in accordance with local, state and federal regulations	
<b>Storage Requirements:</b> 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*

<b>Skin:</b> Immediately wash with soap and water call physician if irritation develops
<b>Eyes:</b> Flush eyes with cool running water, holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.
<b>Inhalation:</b> Move to fresh air and restore breathing, if required. If symptoms persist call physician
<b>Ingestion:</b> 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.
<b>General Advice:</b> If irritation persists see a doctor immediately.

### *Section 9 Regulatory Information*

<b>WHMIS Rating:</b> Health Hazard	3
Fire Hazard	0
Reactivity	2

**DOT:** Hypochlorite Solution 8, UN 1791 III

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