

MSDS - Material Safety Data Sheet**Product Name: Household Bleach****MSDS No.: 136****I. Basic Information:**

Manufacturer: KOK Products Inc.
Address: 700 South Three B's & K
City, ST Zip: Galena, OH 43021

**Last Update:** 8/19/98**Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

2	Health
0	Flammability
0	Reactivity
	Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SARA SUB Z 313	OSHA PEL	ACGIH TLV	Other Limits
7681529	Sodium hypochlorite	5.25							

III. Hazardous Identification:**Hazard Category:**

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

May cause lung damage, tissue detruction, and eye burns. May act as a sensitizer.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation,skin,eyes and ingestion

Health Hazards (Acute and Chronic):

May cause irritation or burns on contact.

Signs and Symptoms:

Severe irritation or burns.

Medical Conditions Generally Aggravated by Exposure:

None Known

Emergency and First Aid Procedures:

Inhalation-Remove to fresh air. Skin-Flush exposed area with large amounts of water. If irritation persists or burns occur, get medical attention. Eyes-Immediately flush with large amounts of water for 15 minutes. Get immrdiate medical attention. Ingestion-DO NOT induce vomiting. Drink 2 or 4 glasses of water.

Other Health Warnings:

None Known

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V. Fire Fighting Measures:

Flash Point: NA **Lower Explosive Limit:** NA **Upper Explosive Limit:** NA
Fire Extinguishing Media: Use self contained breathing apparatus.

Special Fire Fighting Procedures:

Use media appropriate for surrounding materials.

Unusual Fire and Explosion:

None Known

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Flush with plenty of water to a sewer system, or absorb with an absorbant and place in a clean propely labeled container for proper disposal.

VII. Handling and Storage:

Precautions to be Taken:

Do not expose containers to temperatures above 90 F

Other Precautions:

Keep container closed when product is not in use. Do not remove the vented closure or drum may buildup pressure and rupture. Do not mix with acids, reducing agents or ammonium compounds as chlorine may be generated. Do not mix with combustable materials, bleach is a oxidizer and may initiate combustion.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Eqivalent to outdoors

Personal Protective Equipment:

Protective gloves and eye protection recommened. Wash thoroughly after use.

IX. Physical and Chemical Properties:

Boiling Point: 220 F **Melting Point:** NA **Evaporation Rate:** >1
Vapor Pressure (mm Hg.): NA **Vapor Density (AIR = 1):** NA
Solubility In Water: Complete
Apprearance and Odor: Clear, Yellow liquid
Other Information: NA

X. Stability and Reactivity:

Stability:

Decomposes with age.

Incompatibility (Materials to Avoid):

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Acids, other organic materials, oxidizers, nitrogen containing compound, and all metals except titanium.

Decomposition/By Products:

Chlorine gas and oxygen.

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

NA

XII. Ecological Information:

NA

XIII. Disposal Considerations:

Dispose in accordance with all Federal, State and Local regulations.

XIV. Transport Information:

NA

XV. Regulatory Information:

NA

XVI. Other Information:

EMERGENCY TELEPHONE NO. 800-255-3924

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