

MSDS - Material Safety Data Sheet

Product Name: Sodium Hypochlorite

MSDS No.: 16

I. Basic Information:

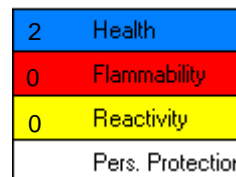
Manufacturer: KOK Products Inc.
Address: 700 South Three B's & K
City, ST Zip: Galena, OH 43021



Last Update: 8/19/98

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SARA SUB Z 313	OSHA PEL	ACGIH TLV	Other Limits
7647145	Sodium chloride	13							
1310732	Sodium hydroxide	<1.2							
7681529	Sodium hypochlorite	12.5							
7732185	Water	>70							

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

May cause severe irritation or burns.

IV. First Aid Measures:

Route(s) of Entry:

Inhalation, skin, eyes, ingestion

Health Hazards (Acute and Chronic):

NA

Signs and Symptoms:

Inhalation-Mist may cause severe irritation or burns to upper respiratory tract. Skin-May cause irritation or burns. May cause permanent injury.

Medical Conditions Generally Aggravated by Exposure:

NA

Emergency and First Aid Procedures:

Inhalation-Remove to fresh air. Seek medical attention. 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. Ingestion-DO NOT induce vomiting. Drink 2 to 4 glasses of water.

Other Health Warnings:

MSDS - Material Safety Data Sheet

Product Name: Sodium Hypochlorite

MSDS No.: 16

NA

V. Fire Fighting Measures:

Flash Point: NA **Lower Explosive Limit:** NA **Upper Explosive Limit:** NA

Fire Extinguishing Media: Use water to cool containers exposed to fire. Product is toxic to fish and runoff should be controlled.

Special Fire Fighting Procedures:

Use media appropriate for surrounding materials.

Unusual Fire and Explosion:

NA

VI. Accidental Release Measures:

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

Flush with plenty of water. Absorb with absorbant material and place in a clean properly 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 roduct is not in use. Do not mix product combustable materials, bleach is an oxidizer and may initiate combustion.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Equivalent to outdoors.

Personal Protective Equipment:

Protective gloves and eye protection-Recommended

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

Appearance and Odor: Clear, Yellow liquid

Other Information: NA

X. Stability and Reactivity:

Stability:

Decomposes with age.

MSDS - Material Safety Data Sheet

Product Name: *Sodium Hypochlorite*

MSDS No.: 16

Incompatibility (Materials to Avoid):

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

Distributed by: G & L Supply 139 N. Diamond St. Mansfield, Oh 44901
The Janton Company 1288 N. High St. Columbus, Oh 43201

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to information concerning the product referred to in this material safety data sheet.