

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 6/1/2001

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N/A = Not Applicable

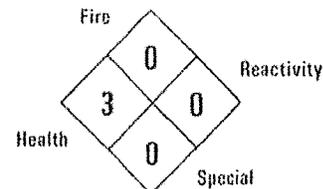
SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bleach 5.25% 5101	Chemical Family: Bleach 5.25% Household
Company Name: K-O-K Products, Inc. 700 South Three B's & K Galena, OH 43021 Ph. (740) 548-0526	Proper Shipping Name: Consumer Commodity ORM-D EPA REG#8154-1 USDA Appr.
	Emergency 24-hr Ph. # (800) 255-3924

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry #	OSHA PEL	ACGIH TLV	Wr. %
Sodium Hypochlorite	7681-52-9	None	None	5.25%
Sodium Chloride	7647-14-5	None	None	5.5%
Sodium Hydroxide	1310-73-2	2mg/m ³	2mg/m ³	<1.2%
Water	7732-18-5	None	None	>85%

Hazard Ratings



- 4 - EXTREME
- 3 - HIGH
- 2 - MODERATE
- 1 - SLIGHT
- 0 - INSIGNIFICANT

The remainder of the ingredients are not defined as hazardous per 29 CFR 1910.1200.

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: not determined	Vapor Density: not determined
Specific Gravity: 1.09	Evaporation Rate: Less than 1 (BuAc = 1)
Solubility in Water: Complete	Freezing Point: not determined
PH: 12.5	Odor: Chlorine odor
Boiling Point: Approx. 220 degrees F.	Physical Appearance: Clear, Yellow Liquid
Viscosity: not determined	

SECTION 4 - FIRE & EXPLOSION DATA

Flashpoint and Method: Not flammable
Flammable Limits: Not applicable
Autoignition Temperature: Not applicable
General Hazard: Non-flammable liquid.
Fire Fighting Instructions: Use self contained breathing apparatus.
Fire Fighting Equipment: Use media appropriate for surrounding materials.
Hazardous Combustion Products: Non-flammable liquid.

SECTION 5 - REACTIVITY DATA

Stability: Decomposes with age
Conditions to Avoid: Sunlight & Temp. above 80 degrees F. Do not store in metal container. These conditions will increase the decomposition rate. Decomposition due to contact with metals will result in evolution of oxygen which is flammable. May also result in a container rupture unless stored with vented closures.
Polymerization: Will not occur
Incompatibility (Materials Avoid): Acids, other organic materials, oxidizers, nitrogen containing compound, and all metals except titanium.
Hazardous Decomposition Products: Chlorine gas and oxygen

SECTION 6 - STORAGE & HANDLING INFORMATION

Storage Temperature: do not expose containers to temperatures above 90 degrees F.
Storage Pressure: Atmospheric
General: Keep container closed when product is not in use. Do not remove the vented closure or drum may build up pressure and rupture. Do not mix with acids, reducing agents or ammonium compounds as chlorine may be generated. Do not mix product with combustible materials, bleach is an oxidizer and may initiate combustion.
KEEP OUT OF REACH OF CHILDREN

SECTION 7 - HEALTH HAZARDS & FIRST AID

EFFECTS OF OVEREXPOSURE:
Inhalation: Mist may cause severe irritation or burns to upper respiratory tract.
Dermal: May cause irritation or burns on contact. Burns may not be immediately apparent.
Eyes: May cause severe irritation or burns. May cause permanent injury.
Ingestion: May cause gastrointestinal irritation, burning or ulceration. May cause nausea and vomiting.
Long Term Overexposure: May cause lung damage, tissue destruction, and eye burns. May act as a sensitizer.
Carcinogenicity: NTP - No, IARC - No, OSHA - No

FIRST AID MEASURES
Inhalation: Remove to fresh air. If breathing has stopped administer artificial respiration. Seek medical attention.
Skin: Remove contaminated clothing. 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, lifting upper and lower eyelids. Get immediate medical attention.
Ingestion: If swallowed, DO NOT induce vomiting. Vomiting may cause further throat damage. Dilute by giving 2 to 4 glasses of water. Do not give anything by mouth if the person is unconscious or if having convulsions.

SECTION 8 - PERSONAL PROTECTION INFORMATION

Respiratory Protection: Only W/O Adequate Ventilation - use NIOSH approved.
Ventilation: Equivalent to Outdoors
Protective Gloves: Recommended
Eye Protection: Recommended
Other Protective Equipment: Wash thoroughly after use.

SECTION 9 - SPILL OR LEAK PROCEDURES

Small Spill: Flush with plenty of water to a sewer system, or absorb with an absorbent and place in a clean properly labeled container for proper disposal.
Large Spill: Notify the appropriate authorities immediately. Stop spill. Handle same as above. Prevent runoff to streams, or other bodies of water.
Waste Disposal: Dispose in accordance with all Federal, State & Local regulations
Neutralizing Material: Chlorine may be neutralized with sodium metabisulfite, sodium thiosulfate, sodium sulfite or hydrogen peroxide.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATED FROM THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCED OF THEIR NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.