

# MATERIAL SAFETY DATA SHEET

## SECTION I - COMPANY AND PRODUCT INFORMATION

Product SKU Number:..... 331  
Manufacturer's Name:..... Chem Lab Products, Inc.  
Emergency Telephone No.:..... (909) 390-9912  
..... (800)424-9300 (CHEMTREC)  
Street Address:..... 5160 E. Airport Drive  
City/State/Zip code:..... Ontario, CA 91761  
Chemical Name and Synonyms:... Sodium Hypochlorite, Bleach  
Trade Name and Synonyms:..... Kem Tek Kemklor II Chlorinating Liquid  
Chemical Family:..... Alkali Hypochlorite  
Formula:..... NaOCl \_\_\_\_\_ CAS # 07647-01-0

NFPA Rating: Health:2 Flammability:0 Reactivity:1 Special:

DOT Proper Shipping Name:..... Consumer commodity  
DOT ID Number:..... N/A  
DOT Hazard Class:..... ORM-D  
Package Group:..... III

## SECTION II - HAZARDOUS INGREDIENTS

SODIUM HYPOCHLORITE ( 7681-52-9;UN1791)..... 10%  
SODIUM HYDROXIDE (1310-73-2;UN1823)..... 0.8%

## SECTION III - PHYSICAL DATA

FREEZING POINT..... 0°F \_\_\_\_\_ DECOMPOSITION TEMPERATURE... N/A  
BOILING POINT ..... 224°F \_\_\_\_\_ BULK DENSITY (loose)..... N/A  
SPECIFIC GRAVITY ..... 1.160-1.180 \_\_\_\_\_ pH (in 1% solution)..... N/A  
pH ..... 12 .. SOLUBILITY IN WATER..... N/A  
VAPOR PRESSURE (cm Hg.).. Variable  
% VOLATILE BY VOLUME .... Variable \_\_\_\_\_ MOLECULAR WEIGHT..... 74.45  
EVAPORATION RATE (\_\_\_\_=1)..... N/A \_\_\_\_\_ APPEARANCE.. Light Yellow-Green  
VAPOR DENSITY (Air = 1)..... N/A \_\_\_\_\_ ODOR..... Chlorine odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Non-flammable  
FLAMMABLE LIMITS..... N/A  
EXTINGUISHING MEDIA..... Flood with water or Carbon Dioxide (CO<sub>2</sub>).

### SPECIAL FIRE FIGHTING PROCEDURES:

... Must wear NIOSH certified gas mask with canister for chlorine.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

... Material is strong oxidizer; contact with combustibles may initiate or promote combustion. Acid and heat accelerate decomposition. Decomposition Products may include chlorine.

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... N/A

### EFFECTS OF OVEREXPOSURE:

... INGESTION - causes irritation of the mouth, throat, and stomach. SKIN - severe irritation. INHALATION - severe irritation. EYE - severe irritation.

### EMERGENCY AND FIRST AID PROCEDURES:

... **IF SWALLOWED:** Drink large quantities of milk or gelatin solution, or if these are not available, drink large quantities of water. Do not give vinegar or other acids. Do not induce vomiting. Get prompt medical attention. **IF IN EYES:** Flush with a steady, gentle stream of water for 15 minutes. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** Remove victim to fresh air. Call physician if exposure is severe.

**SECTION VI - REACTIVITY DATA**

**STABILITY:** This Product is stable

**CONDITIONS TO AVOID:**

...Light, heat, fire, low pH, metallic impurities, naturally decomposes with age.

**INCOMPATIBILITY:** (Materials to avoid)

... Acid, ammonia, amines, cyanides, chlorinated isocyanurates, combustibles, detergents, reducing agents, oxidizable materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:**... Contact with acid will releases chlorine gas; natural decomposition Products is oxygen. Thermal decomposition or burning may produce HCl.

**HAZARDOUS POLYMERIZATION:**..... WILL NOT OCCUR

**CONDITIONS TO AVOID** ..... None Known

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASED OR SPILLED:**

... Material is toxic to fish. Contain in diked area. Neutralize with sodium sulfite, sodium thiosulfate, or ferrous salt solutions. Dilute copiously with water.

**WASTE DISPOSAL METHOD**