



## HILLSBORO ELEMENTARY SCHOOLS

 215 S.E. 5th Ave.  
 HILLSBORO, OR 97123

## MATERIAL SAFETY DATA SHEET

CM 0007

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## I - IDENTIFICATION

CHEMICAL NAME Sodium Hypochlorite	CHEMICAL FORMULA NaOCl	MOLECULAR WEIGHT 74.5
TRADE NAME ALL PURE BLEACH 5 1/4%, GENERIC BLEACH 5 1/4%, PVT. LABEL BLEACH 5 1/4%		
SYNONYMS bleach, liquid chlorinator, liquid chlorine.		DOT IDENTIFICATION NO NA 1791

## II - PRODUCT AND COMPONENT DATA

COMPONENT(S) CHEMICAL NAME	CAS REGISTRY NO.	% (Approx)	ACGIH TLV-TWA
Sodium Hypochlorite	7681-52-9	5.25%	No data found
Sodium Hydroxide	1310-73-2	1.0%	No data found

## III - PHYSICAL DATA

APPEARANCE AND ODOR straw yellow liquid with characteristic odor of bleach	SPECIFIC GRAVITY 1.09 at 20°C.
BOILING POINT Decomposes at 230°F with liberation of hazardous gases	VAPOR DENSITY IN AIR (Air = 1) No information found
VAPOR PRESSURE No information found	% VOLATILE BY VOLUME 74.5%
EVAPORATION RATE No information found	SOLUBILITY IN WATER Complete

## IV - REACTIVITY DATA

STABILITY stable at normal storage and use temperature	CONDITIONS TO AVOID Exposure to heat and light will accelerate decomposition. Mixing with other chemicals and consumer products may cause chemical reaction with liberation of hazardous gases.
INCOMPATIBILITY (Materials to avoid) pesticides, heavy metals, acids, ammonia, human waste, paints, kerosene, gasoline; etc. and similar compounds	
HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases generated when heated to decomposition or when reacted with other compounds	
HAZARDOUS POLYMERIZATION No information available	

## V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)

No information available

FLAMMABLE LIMITS IN AIR

No information available

EXTINGUISHING AGENTS

does not burn

UNUSUAL FIRE AND EXPLOSION HAZARDS

decomposes at 230°F with liberation of hazardous gases

## VI - TOXICITY AND FIRST AID

EXPOSURE LIMITS (When exposure to this product and other chemicals is concurrent, the TLV must be defined in the workplace.)

No information found

Effects described in this section are believed not to occur if exposures are maintained at or below appropriate TLVs.

Because of the wide variation in individual susceptibility, TLVs may not be applicable to all persons and those with medical conditions listed below

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information found

ACUTE TOXICITY

Primary route(s) of exposure:

☐ Inhalation

☐ Skin Absorption

☐ Ingestion

Oral LD<sub>50</sub> (albino rats) = 6200 mg/kg (Category IV)

Dermal LD<sub>50</sub> (albino rats) = greater than 3,000 mg/kg (Category III)

Primary skin irritation (albino rats) = 8.0/8.0 (Category I)

Eyes (albino rats, unwashed) = 53.3/110.0 (Category I)

(albino rats, washed) = 41.0/110.0 (Category I)

FIRST AID

If on skin, wash with plenty of soap and water. If in eyes, rinse eye first, remove contact lens (if applicable), and continue flushing with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of water. Do not give vinegar or other acids. Do not induce vomiting. Get prompt medical attention.

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Sodium hypochlorite is not listed in the National Toxicological Program (NTP) Third Annual Report on Carcinogens, nor has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-34, nor is it listed by Federal OSHA. It is not found on the list of chemicals known to cause cancer or reproductive toxicity promulgated pursuant to the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), Chapter 6.6 of the California Health and Safety Code.

## VII - PERSONAL PROTECTION AND CONTROLS

## RESPIRATORY PROTECTION

None required under ordinary conditions of storage and use. In case of decomposition, use self-contained breathing apparatus.

## VENTILATION

Storage and use areas should be well-ventilated.

## SKIN PROTECTION

Wear rubber gloves when dispensing product or when handling leaking containers.

## EYE PROTECTION

Wear face shield or protective glasses when handling and dispensing.

## HYGIENE

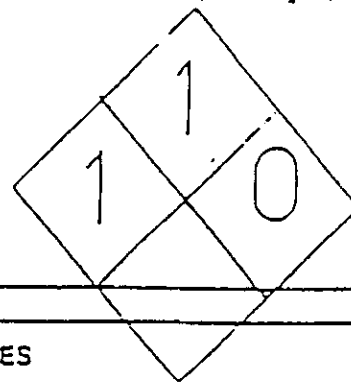
Wash hands with soap and water after handling and dispensing product. Remove and wash contaminated clothing before wearing again.

## OTHER CONTROL MEASURES

None.

### VIII - STORAGE AND HANDLING PRECAUTIONS

Store this product in a cool, dry area away from direct sunlight and heat to avoid decomposition. Always reattach closures after dispensing product. Do not store on top of other chemicals, soaps, paints, etc.



### IX - SPILL LEAK AND DISPOSAL PRACTICES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

In case of spill, flood area with a large quantity of water. Flush to a sanitary sewer. As an alternate, absorb product in diatomaceous earth or other approved absorbant, sweep up, and package in polyethylene bags or similar plastic containers for disposal. Contact EPA, state, regional, or local government authorities for disposal instructions.

#### WASTE DISPOSAL METHOD

Small quantities may be disposed of in a sanitary sewer. Larger quantities should first be neutralized with sodium sulfite or sodium hyp-sulfite.

### X - TRANSPORTATION

#### DOT HAZARD CLASSIFICATION

Highway - None  
Ship - None  
Air - Hypochlorite Solution, ORM-B, NA1791

#### PLACARD REQUIRED

None

#### LABEL REQUIRED

None

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