

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Pure Bright Bleach

MANUFACTURER'S NAME: T-Chem Products

ADDRESS: 9028 Dice Road, Santa Fe Springs, CA 90670

PHONE NUMBER FOR ADDITIONAL INFORMATION: (310) 946-6427

DATE PREPARED OR REVISED: July 27, 1994

II. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS Number	Percent*	Exposure limits in air			
			ACGIH TLV	OSHA PEL	OTHER:	
Sodium Hypochlorite	7681-52-9	--	1 ppm (Chlorine Gas)	1 ppm	N/A	

III. PHYSICAL PROPERTIES

Vapor density (air=1): 19.2	Melting point or range, F: N/A
Specific Gravity: 1.082 @ 20C	Boiling point or range, F: 217 F
Solubility on water: 100%	Evaporation rate (butyl acetate=1): N/A
Vapor pressure, mm Hg @ 20: 16	
Appearance and odor: Pale yellow liquid with typical liquid bleach odor.	

IV. FIRE AND EXPLOSION

Flash point, F (Give method): N/A

Flammable limits in air, volume %: Non-Flammable Lower: Upper:

Fire Extinguishing materials: Use water in flooding quantities as fog.

Water Spray: X Carbon Dioxide: Foam: Dry Chemical: Other:

Special firefighting procedures: Wear NIOSH-approved self contained breathing apparatus for chlorine gas vapors. Cool fire exposed containers with water.

Unusual fire and explosion hazards: Bleach decomposes when heated to high temperatures.

NIFFA Hazard Classification:

Health: 2 Flammability: 0 Reactivity: 1 Special: COR

*Not a required category

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE:

Inhaled: Inhalation of vapors may cause bronchial irritation, coughing, difficulty breathing, pulmonary irritation.

Contact with skin or eyes: Accidental eye contact with liquid or vapors may produce moderate to severe irritation.

Absorbed through skin: May result in blistering and eczema.

Swallowed: May cause burning sensation and corrosion of mucous membranes, esophageal or gastric perforation, laryngeal edema, vomiting and nausea.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: Depending on solution concentration, material may be corrosive to skin. Mucous membranes and eyes and vapors may cause respiratory irritation.

Chronic: May cause damage or injury to eyes, skin and respiratory organs.

FIRST AID AND EMERGENCY PROCEDURES

Eye Contact: Flush eyes with running water for at least 15 minutes, get prompt medical attention.

Skin Contact: Rinse thoroughly with running water. If irritation persists, contact physician or local poison control center.

Inhaled: If effects occur, remove victim to fresh air. Provide symptomatic care and support respiration. Get prompt medical attention.

Swallowed: Immediately give large quantities of water or milk to dilute. Do not induce vomiting. Get prompt medical attention.

SUSPECT CANCER AGENT ?

NO: X This product's ingredients are not found in the lists below.

YES: Federal OSHA: NTP: IARC:

VI. REACTIVITY DATA

STABILITY**STABLE:****UNSTABLE: X**

Conditions to avoid: Heat

Incompatibility (materials to avoid): Acids, ammonia, organic compounds, heavy metals and salts thereof, and oxidizing or reducing compounds.

Hazardous decomposition products (including combustion products): Chlorine, chlorine dioxide, chloramines. Decomposition products may cause containers to rupture.

Hazardous polymerization: May occur: Will not occur: X

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (including employee protection measures): Dilute with copious amounts of water and then mop up. Avoid splashing into eyes. Avoid repeated or prolonged skin contact. Avoid inhalation of fumes, stay up wind of spill.

Preparing wastes for disposal (container types, neutralization, etc.): Neutralize and dispose in accordance with federal, state, and local regulations.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

VIII. SPECIAL HANDLING PROCEDURES

Ventilation and engineering controls: Provide adequate ventilation.

Respiratory protection (type): Wear NIOSH-approved respiratory protection.

Eye protection (type): Wear splash-proof chemical resistant safety goggles.

Gloves (specify material): Wear protective clothing including rubber gloves, rubber boots, and face shield.

Other clothing and equipment: See above.

Work practices, hygienic practices: Provide eye bath and emergency showers. Launder work clothes when soiled.

Other handling and storage requirements: Store in cool, dark place away from heat and light and combustible materials. Store below 90 F. Keep containers well closed. Provide adequate ventilation.