

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

#### SECTION I

PRODUCT CODE NUMBER \_\_\_\_\_ \*TLV \_\_\_\_\_  
 MANUFACTURER'S NAME: The Clorox Company EMERGENCY INFORMATION (415)-847-6100  
 MANUFACTURER'S ADDRESS 7200 Johnson Drive, Pleasanton, CA 94566  
 PRODUCT Liquid-Plumr COMMON NAME: Other Designations: Drain Cleaner  
 GENERIC NAME: \_\_\_\_\_ CHEMICAL NAME \_\_\_\_\_  
 CHEMICAL FAMILY \_\_\_\_\_ DOT PROPER SHIPPING NAME \_\_\_\_\_  
 WARNING STATEMENTS \_\_\_\_\_

#### SECTION II - INGREDIENTS

	C.A.S. #	Concentration	Worker Exposure Limit
Sodium Hydroxide	1310-73-2	0.5-2%	2 mg/M <sup>3</sup> TLV-C
Sodium Hypochlorite	7681-52-9	5-10%	Not Established

None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists. TLV-C Threshold Limit Value-Ceiling. The worker exposure limit should not be exceeded at any time. Source: ACGIH, 1985-86

\* Threshold limit value set by (A) OSHA, (B) ACGIH, (C) See Section III, (D) Other, (NE) Not Established (Units are in PPM unless otherwise specified)

#### SECTION III - PHYSICAL DATA

APPROXIMATE BOILING RANGE approx. 212°F / 100°C VAPOR PRESSURE: \_\_\_\_\_  
 VAPOR DENSITY: \_\_\_\_\_ SOLUBILITY IN WATER: Complete  
 SPECIFIC GRAVITY: (H<sub>2</sub>O = 1): 1.09 PERCENT VOLATILE: \_\_\_\_\_  
 EVAPORATION RATE: \_\_\_\_\_ APPROXIMATE BULK DENSITY: pH: 13.2

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT RANGE: Not flammable or explosive. EXTINGUISHING MEDIA: \_\_\_\_\_  
 FIRE FIGHTING PROCEDURES: Cool containers during fire DOT FLAMMABILITY CLASSIFICATION: \_\_\_\_\_  
to prevent rupture and release of sodium chlorate.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: \_\_\_\_\_

#### SECTION V - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If wearing contact lenses, remove. Immediately flush eyes with water for 15 minutes. See a physician.

SKIN CONTACT: Remove contaminated clothing and wash exposed area with water.

INHALATION: Remove from exposure.

INGESTION: Drink a glassful of water. DO NOT induce vomiting. Evaluation by a doctor is necessary.

SECTION VI - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

ACUTE EFFECTS <sup>\*</sup>Corrosive to the eyes. Harmful if swallowed (nausea, vomiting, and burning sensation of the mouth and throat.) The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: Heart conditions or chronic respiratory problems such as asthma, chronic bronchitis or obstructive lung disease. Under normal consumer use conditions the likelihood of any adverse health effects are low.

CHRONIC EFFECTS

SECTION VII - REACTIVITY DATA

STABILITY (Conditions to Avoid): Stable under normal conditions. Reacts with other household chemicals such as toilet bowl cleaners, ammonia or other drain openers to produce hazardous gases, such as chlorine and other chlorinated species.

INCOMPATIBILITY (Materials to Avoid):

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION (Conditions to Avoid):

SECTION VIII - SPILL OR LEAK PROCEDURES

PROCEDURES IN CASE OF RELEASE OR SPILL: Small quantities of less than 5 gallons may be flushed down drain. For larger quantities wipe up with an absorbent material or mop and dispose of in accordance with local, state, and federal regulations.

WASTE DISPOSAL METHOD:

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

VENTILATION: Use general ventilation to minimize exposure to vapors.

PROTECTIVE GLOVES: Wear gloves.

EYE PROTECTION: Wear safety glasses.

Avoid eye and skin contact and inhalation of vapor mist.

OTHER PROTECTIVE EQUIPMENT: The availability of an eye wash and shower is recommended in a manufacturing environment.

SECTION X - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: Keep out of reach of children. Avoid all splashing particularly in eyes, on skin and clothing. Keep children away from basins containing Liquid-Plumr with ammonia, toilet bowl cleaners or other drain openers. Do not reuse empty container. Rinse container and replace cap before discarding.

OTHER PRECAUTIONS:

SECTION XI - DOCUMENTARY INFORMATION

PRODUCT CODE NUMBER:

ISSUE DATE: September, 1986

REPLACES MSDS NUMBER:

PREVIOUS PRODUCT CODE NUMBER:

PREVIOUSLY ISSUED: