

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 ³ 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: (H₂O = 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 *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 health effects are low.

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: and federal regulations.

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: _____