

# MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/17/07

## I. General Information

**CHEMICAL NAME & SYNONYM:**  
**CHEMICAL FAMILY:** Synthetic Detergent  
**PROPER DOT SHIPPING NAME:** Consumer Commodity ORM-D Cleaning Compound  
**SUPPLIER:** LICO, INC  
929 FIFTH AVENUE  
MCKEESPORT, PA 15132

**TRADE NAME:** L-204 THICK-N-CLINGING BOWL CLEANER  
**FORMULA:** Proprietary  
**DOT HAZARD CLASSIFICATION:** None  
**SUPPLIER'S PHONE NUMBER:** (412) 422-7786  
**24-HOUR EMERGENCY PHONE NUMBER:** 1-800-535-5053

## II. Ingredients

**PRINCIPAL COMPONENTS**  
WATER  
HYDROCHLORIC ACID  
ETHOXYLATED NONYLPHENOL  
ETHOXYLATED ALIPHATIC AMINES  
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

CAS #	THRESHOLD LIMIT VALUE (UNITS)
7732-18-5	N/A
7647-01-0	5PPM
127087-87-0	N/D
N/A	N/D
68391-01-5	1000PPM

## III. Physical Data

**BOILING POINT (°F):** 212<sup>0</sup>F  
**VAPOR PRESSURE (MM HG):** N/D  
**VAPOR DENSITY (AIR=1):** N/D  
**SOLUBILITY IN WATER:** Complete  
**APPEARANCE AND ODOR:** Clear, red liquid with cherry odor.

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.059  
**PERCENT VOLATILE (%):** 91.0  
**EVAPORATION RATE (WATER = 1):** <1  
**pH:** 1

## IV. Fire & Explosion Hazard Data

**FLASH POINT (TEST METHOD):** NONE (TCC)  
**EXTINGUISHING MEDIA:** Water, Dry Chemical, CO<sub>2</sub>  
**SPECIAL FIRE FIGHTING PROCEDURES:** NONE  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** NONE

**LOWER EXPLOSIVE LIMIT (LEL):** N/A  
**UPPER EXPLOSIVE LIMIT (UEL):** N/A

## V. Health Hazard Data

**OSHA-ACGIH THRESHOLD LIMIT VALUE:** 5PPM  
**CARCINOGEN -NTP PROGRAM:** None  
**SYMPTOMS OF EXPOSURE:** Skin & Eye Irritation  
**Medical Conditions Aggravated by Exposure:** None  
**PRIMARY ROUTES OF ENTRY:** Skin, Eyes, Nose, Mouth

**CARCINOGEN - IARC PROGRAM:** None  
**NOTE: CORROSIVE:** Avoid contact with skin or eyes. Can cause irritation, burns or possible permanent eye damage.

### EMERGENCY FIRST AID:

**Skin:** Flush with water. See a physician if irritation persists.  
**Eyes:** Flush with water for 15 minutes. See a physician immediately.  
**Ingestion:** Give large amounts of water. See a physician immediately.  
**Inhalation:** Remove to fresh air.

## VI. Reactivity Data

**STABILITY:** UNSTABLE  STABLE   
**INCOMPATIBILITY-Material to Avoid:** Can be corrosive to some metals.  
**HAZARDOUS POLYMERIZATION:** MAY OCCUR  WILL NOT OCCUR  **CONDITIONS TO AVOID:** None  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen Gas or Hydrochloric Acid vapors.

## VII. Environmental Protection Procedures

**SPILL RESPONSE:** Contain Spill. Soak up in an absorbant material. Flush area with water.

**WASTE DISPOSAL METHOD:** In accordance with Federal, State and Local regulations.

## VIII. Special Protection Information

**EYE PROTECTION:** Splash Goggles  
**RESPIRATORY PROTECTION:** None Required  
**OTHER PRECAUTIONS:** None  
**SKIN PROTECTION:** Rubber Gloves, Apron  
**VENTILATION RECOMMENDED:** Local Exhaust

## IX. Special Precautions

**HYGIENIC PRACTICES IN HANDLING & STORAGE:** Avoid Skin or Eye contact.  
**PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT:** Flush with water and allow to air dry.  
**OTHER PRECAUTIONS:** None