

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10-01-07

I. General Information

CHEMICAL NAME & SYNONYM:
CHEMICAL FAMILY: Synthetic Detergent
PROPER DOT SHIPPING NAME: Cleaning Compound, Liquid
SUPPLIER: LICO, INC.
929 FIFTH AVENUE
MCKEESPORT, PA 15132, USA

TRADE NAME: L-221 BLAST OFF
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
ALKALINE HYDROXIDE
SODIUM GLUCONATE
PHOSPHATE ESTER
PHOSPHATE ESTER
ALKANOLAMIDE

| CAS # | THRESHOLD LIMIT VALUE (UNITS) |
|------------|-------------------------------|
| 1310-58-3 | 2MG/M3 |
| 527-07-1 | N/A |
| N/A | 1MG/M3 |
| 52276-83-2 | 1MG/M3 |
| 61789-19-3 | 200PPM |

III. Physical Data

BOILING POINT (°F): 212°F
VAPOR PRESSURE (MM HG): N/A
VAPOR DENSITY (AIR=1): >1
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Clear liquid with characteristic odor.

SPECIFIC GRAVITY (H₂O=1): 1.01
PERCENT VOLATILE (%): 84.0
EVAPORATION RATE (WATER = 1): <1
pH: 14

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD): NONE (TCC)
AUTO IGNITION TEMPERATURE: NONE
EXTINGUISHING MEDIA: Water, Dry Chemical, CO₂
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: 1MG/M3
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.
Eyes: Flush with water for 15 minutes. See a physician.
Ingestion: Give large amounts of water. See a physician.
Inhalation: Remove to fresh air.

VI. Reactivity Data

STABILITY: UNSTABLE STABLE
INCOMPATIBILITY-Material to Avoid: NONE
HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR **CONDITIONS TO AVOID:** None
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

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, Face Shield **SKIN PROTECTION:** Rubber Gloves, Apron
RESPIRATORY PROTECTION: None Required **VENTILATION RECOMMENDED:** Local Exhaust
OTHER PRECAUTIONS: None

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