

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 12/05/07

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

TRADE NAME: L-211 FUMELESS
FORMULA: Proprietary
DOT HAZARD CLASSIFICATION: Corrosive
SUPPLIER'S PHONE NUMBER: (412) 422-7786
24-HOUR EMERGENCY PHONE NUMBER: 1-800-535-5053

II. Ingredients

PRINCIPAL COMPONENTS
POTASSIUM HYDROXIDE
WATER
COLOR

CAS #	THRESHOLD LIMIT VALUE (UNITS)
1310-58-3	2MG/M3
7732-18-5	N/A
N/A	N/A

III. Physical Data

BOILING POINT (°F): 271°F
VAPOR PRESSURE (MM HG): N/A
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Clear red liquid with no odor.

SPECIFIC GRAVITY (H₂O=1): 1.45
PERCENT VOLATILE (%): >50
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: 2MG/M3
CARCINOGEN -NTP PROGRAM: None
SYMPTOMS OF EXPOSURE: Skin & Eye Irritation. Skin Burns.
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 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: Can react violently with acids and other organic chemicals.
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. All disposal materials must be disposed of according to government regulations.

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

VIII. Special Protection Information

EYE PROTECTION: Splash Goggles & Full 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. Considerable heat is generated when water is added. Always add product to water not water to product.

PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT: Flush with water. Neutralize w/dilute acid followed by sodium bicarbonate & allow to air dry.

OTHER PRECAUTIONS: None