

MATERIAL SAFETY DATA SHEET

Prepared pursuant to 29 CFR §1910.1200(g)

SECTION 1: PRODUCT INFORMATION

Product Name LIME OFF ACID DETERGENT (Product No. 160)
Manufacturer Crown Chemical, Inc. Address 4701 W. 136th Street Crestwood, IL 60445
Emergency Telephone Number (708) 371-6990 or (800) 535-5053 (24 hour)

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name (Common Name)	CAS No.	%*	OSHA PEL	ACGIH TLV	SARA Title III Designation**
Phosphoric Acid	7664-38-2		3 mg/m3 (ceiling)	Same	No (50%)

*Optional

**Subject to Reporting Requirements Under Section 313 of SARA Title III and 40 CFR Part 372. Upper Bound Percentage by Weight Provided.

Ingredients Listed as Carcinogens or Potential Carcinogens: None Listing Source: NTP IARC OSHA Animal Data

SECTION 3: PHYSICAL CHARACTERISTICS

Boiling Point >150 F Specific Gravity (H2O=1) >1 Vapor Density (Air = 1) >1 Vapor Pressure NE
pH (concentrate) <2.0 Solubility in Water 100% Evaporation Rate (H2O = 1) <1
Appearance and Odor Light green liquid with characteristic odor.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC) >200 F Flammable Limits NE Extinguishing Media NA Special Firefighting Procedures NA
Unusual Fire and Explosion Hazards None.

SECTION 5: REACTIVITY HAZARD DATA

Stability 100% Incompatibilities Alkalis, halogens, metals, flammables.
Hazardous Polymerization Will not occur Hazardous Decomposition By-Products None

SECTION 6: HEALTH HAZARDS AND FIRST AID

Primary Exposure Routes: X Eye Skin Inhalation Ingestion
Acute Effects CORROSIVE. Contains Phosphoric Acid. Concentrated product and solutions cause severe burns to eyes and skin. Vapors cause irritation and/or burns to nasal passages and respiratory tract. Harmful or fatal if swallowed.
Chronic Effects Exposure may cause permanent damage to eyes, skin and respiratory tract.
Medical Conditions Aggravated by Exposure None known.
First Aid Procedures EYES: Flush immediately with copious amounts of water. Remove any contact lenses. Hold eyelid open and roll eyeball in all directions while flushing. Continue flushing for 15 minutes. Seek immediate medical attention. SKIN: Immediately flush affected area with large quantities of water. Continue flushing for 15 minutes. Seek medical attention if irritation persists. INGESTION: Rinse out mouth, then drink large quantities of water. Do not induce vomiting. Seek immediate medical attention. INHALATION: Remove person to fresh air. Administer oxygen if breathing is difficult. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 7: CONTROL AND PROTECTIVE MEASURES

Respiratory Protection Vapor mask where needed to prevent inhalation of vapors. Protective Gloves Waterproof recommended.
Eye Protection Chemical splash goggles recommended. Do not wear contact lenses while handling this product.
Other Protective Clothing and Equipment None required.
Hygienic Work Practices Avoid splashing. Never mix this product with other chemicals. Used with adequate ventilation.
Ventilation Local exhaust to keep exposure below any PEL and TLV limits listed above.

SECTION 8: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Followed if Spilled or Released Neutralize with water. Mop up, sweep up, or otherwise absorb. Hold for disposal.
Waste Disposal Methods Promptly dispose of empty containers by any method which complies with applicable laws.
Storage Requirements Keep out of reach of children. Store between 50-120 F. Store away from chlorine, ammonia and alkalis.
Other Precautions or Special Hazards Wash contaminated clothing and shoes before reuse.

The information and recommendations contained herein are believed to be reliable, but are given without warranty or guarantee of any kind, express or implied. The hazards provided in this Material Safety Data Sheet apply to this product in its concentrated form, and may differ significantly after dilution.

Date Prepared: January 1, 2011

NIPCA Hazardous Material Identification System

HEALTH.....3
FLAMMABILITY.....0
REACTIVITY.....1
PROTECTIVE EQUIPMENT.....G (See Section 7)

0 = Least
1 = Slight
2 = Moderate
3 = High
4 = Severe
NA = Not Applicable
NE = Not Established