

# MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

EFFECTIVE DATE 3/05

## SECTION 1 - PRODUCT IDENTIFICATION

**Product Name:** LIME & FILM REMOVER (RR501)      **Chemical Family:** CLEANING COMPOUND  
**Supplier's Name:** Banner Chemical Corp.      **Proper Shipping Name:** COMPOUNDS, CLEANING LIQUID, 8,  
NA1760, PGII (containing phosphoric acid)  
**Supplier's Address:** 111 Hill St.      **DOT Shipping Hazard:** CORROSIVE  
Orange, NJ 07050      **DOT Labels Required:** CORROSIVE

**EMERGENCY TELEPHONE NUMBER 973/676-2900**

**HMS RATING (0-4): HEALTH: 1 FIRE: 1 REACTIVITY: 0**

## SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
*Phosphoric acid	7664-38-2	7	1mg/M <sup>3</sup>

\*This toxic chemical is subject to reporting requirements of Sec. 313-SARA Title III-40CFR. Part 372.

## SECTION 3 - PHYSICAL DATA

**BOILING POINT:** 212°F.  
**VAPOR PRESSURE(mmHg @ 20°C):** 2 x 10-8  
**VAPOR DENSITY(air=1):** N/A  
**SPECIFIC GRAVITY:** 1.1-1.2

## SECTION 4 - FIRE and EXPLOSION DATA

**FLASH POINT:** None at boiling  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** Media proper to primary cause of fire.  
**SPECIAL FIREFIGHTING PROCEDURES:** Wear approved self-contained breathing apparatus.

**PHYSICAL DESCRIPTION:** Clear off/white liquid; slight scent.

**pH:** 1-3

**UNUSUAL FIRE & EXPLOSION HAZARD:** May emit phosphorous oxide gas.

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** 1

**% VOLATILE BY VOLUME:** 90

## SECTION 5 - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** 1 mg/M<sup>3</sup> for phosphoric acid content\*

**EFFECTS OF OVEREXPOSURE: EYES:** Corrosive. Brief contact of liquid or mist will severely damage eyes and prolonged contact may cause permanent eye injury which may be followed by blindness.. **SKIN:** Contact with liquid or mist will severely irritate and burn skin. Prolonged contact may burn or destroy surrounding tissue. **INHALATION:** Mist may cause acid burns to mucous membranes and irritant to respiratory system causing breathing difficulty and pulmonary edema. **INGESTION:** Corrosive. Causes burns to the mouth, throat esophagus and stomach with severe chest and stomach pain: difficulty in breathing, nausea, vomiting bloody diarrhea and convulsions. In severe cases causes collapse and death.

**EMERGENCY & FIRST AID PROCEDURES: EYE:** Immediately flush with copious amount of water for at least 15 min. while lifting eyelids. **SKIN:** Immediately remove contaminated clothing and discard.Wash skin with water for at least 15 min. Do not attempt to neutralize with chemicals. **INHALATION:** Remove patient to fresh air. If not breathing perform CPR or artificial respiration. **INGESTION:** Give two or more glasses of water or milk. Do not induce vomiting. If vomiting occurs, give fluids again. Never give anything by mouth to an unconscious person. In all cases consult a physician.

## SECTION 6 - REACTIVITY DATA

**STABILITY:** Stable under normal conditions

## SECTION 7 - SPILL or LEAK PROCEDURES

**SPILLAGE:** Contain spill and absorb with Ban-dri, earth, sand or similar inert material

**INCOMPATIBILITY:** Iron, tin, zinc & alkaline materials. **WASTE DISPOSAL METHOD:** In a manner consistent with federal, state and local regulations.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Above 550°C emits phosphorous oxide gas.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Use N-IOSH respirator if TLV is exceeded.

**VENTILATION:** Local exhaust sufficient.

**GLOVES:** Rubber or plastic coated should be used.

**EYE PROTECTION:** Safety glasses or shield if splashing expected.

**OTHER PROTECTIVE EQUIPMENT:** Clothing cover should be used.

## SECTION 9 - SPECIAL PRECAUTIONS

Do not get in eyes or on skin. Always wear protective clothing. Wash thoroughly after handling. Use with adequate ventilation. Store away from other chemicals and out of the reach of children. Store in a closed container away from fire and extreme heat. Keep from freezing. Use protective equipment.

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