

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
<b>NFPA Rating:</b> Health-3; Flammability-0; Reactivity-0; Special- COR-		<b>HMIS Rating:</b> Health-3; Flammability-0; Reactivity-0; Personal Protection-B				
Manufactured For: <b>UNISOURCE WORLDWIDE, INC.</b>		<b>DOT Hazard Classification:</b>				
Address: 6600 Governors Lake Parkway		CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8				
Address: Norcross, GA 30071		<b>Identity</b> (trade name as used on label): <b>ALLSTAR D-LIME SOLVENT (U17804, U17805)</b>				
Phone: <b>800-UNISOURCE</b>		<b>MSDS Number:</b> B00106		Revision - 1		
Emergency Response Number: 1-888-660-6737		Date Prepared: 04/02		Prepared By: DP(GP)/IB		
<b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>		Information Calls: (770)422-2071				
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PHOSPHORIC ACID		7664-38-2	Yes	1mg/m3	1mg/m3	d
CITRIC ACID		77-92-9	No	N/E	N/E	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> approximately 212°F		<b>Specific Gravity</b> (H2O=1): 1.18				
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A		<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): <17mm Hg @ 20C				
<b>Vapor Density</b> (Air = 1): N/D		<b>Evaporation Rate</b> ( water = 1): 1				
<b>Solubility in Water:</b> Soluble		<b>Water Reactive:</b> No				
<b>Appearance and Odor:</b> Yellow-green liquid with vinegar-like scent.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A % UEL: N/A		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): none to boiling (TCC)			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use clothing & safety equipment as may be suitable for phosphoric acid & materials in the surrounding fire.			
<b>EXTINGUISHER MEDIA:</b> Non-combustible. Use agents as appropriate for materials in surrounding fire.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Will liberate flammable hydrogen gas on contact with many metals. Protect personnel against mist, vapor or splashes.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE		<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR				
<b>Incompatibility</b> (Mat. to avoid): Strong alkalis (bases) and oxidizers.		<b>Conditions to Avoid:</b> None				
<b>Hazardous Decomposition Products:</b> Oxides of carbon and phosphorus, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> Corrosive material. Severe irritant to all body tissues. Prolonged or repeated contact may damage or destroy body tissues.						
<b>Inhalation:</b> Mist & spray can cause respiratory tract irritation with burning, choking, coughing. High concentrations and/or prolonged contact can cause inflammation & destruction of nasal passages & breathing difficulties, which may be delayed in onset.						
<b>Eye Contact:</b> Liquid can cause eye irritation, severe burns & permanent damage including blindness.			<b>Skin Contact:</b> Liquid can cause burning of skin. Repeated or prolonged contact can cause irritation & dermatitis.			
<b>Ingestion:</b> Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomiting can occur.						
<b>CHRONIC EFFECTS:</b> Repeated episodes of tissue damage may result in accumulation of scar tissue.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Contact may further irritate any pre-existing dermatitis.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Irrigate with large quantities of water, lifting upper and lower eyelids occasionally. Get medical attention.						
<b>Skin Contact:</b> Remove contaminated clothing & wash skin with large quantities of water. If irritation persists, get medical attention.						
<b>Inhalation:</b> Remove to fresh air. If breathing stops, give artificial respiration. Get immediate medical attention.						
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> Not normally needed at ambient temperatures. Under fire conditions, use approved self-contained breathing apparatus with full face piece.						
<b>Protective Gloves:</b> Neoprene or PVC.		<b>Eye Protection:</b> Chemical goggles, face shield where splashing is possible.				
<b>Ventilation Requirements:</b> As necessary to maintain air concentrations below 1mg/m3 at all times. Special ventilation is not normally needed.						
<b>Other Protective Clothing &amp; Equipment:</b> Neoprene or PVC rain suit & boots, if needed. Safety showers & eyewash stations.						
<b>Hygienic Work Practices:</b> Avoid contact with skin. Do not eat, drink or smoke in work area. Wash hands after handling. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain spill & prevent run off into ground & surface waters or sewers. Neutralize with soda ash. Recover neutralized products into properly labeled non-leaking containers for proper disposal.						
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Do not store near strong alkalis or other reactive materials. Protect from extreme heat and cold.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only