

# 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-1; Flammability-0; Reactivity-0; Special- -			<b>HMIS Rating:</b> Health-1; Flammability-0; Reactivity-0; Personal Protection-B			
<b>Manufactured For:</b> UNISOURCE WORLDWIDE, INC. Address: 133 Peachtree St. NE. Address: Atlanta, GA 30303 Phone: 800-UNISOURCE			<b>DOT Hazard Classification:</b> NON-REGULATED <b>Identity</b> (trade name as used on label): ALLSTAR TANNIN SPOTTER PLUS (U17150, U17840)			
<b>Emergency Response Number:</b> 1-888-660-6737			<b>MSDS Number:</b> B00834 <b>Revision:</b> 1 <b>Date Prepared:</b> 07/01/02 <b>Prepared By:</b> DP(GP)/IB <b>Information Calls:</b> (770)422-2071			
<b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>						
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 **
POTASSIUM ACID OXALATE		127-95-7	No	1 mg/m3 *	1 mg/m3 *	d
CITRIC ACID		77-92-9	No	N/E	N/E	d
* PEL/TLV for Oxalic acid 144-62-7						
<b>SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS</b>						
<b>Boiling Point:</b> <212°F <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A <b>Vapor Density (Air = 1):</b> N/D <b>Solubility in Water:</b> Soluble			<b>Specific Gravity (H2O=1):</b> 1.03 <b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> <17mm Hg @ 20C <b>Evaporation Rate (water = 1):</b> 1 <b>Water Reactive:</b> Negligible			
<b>Appearance and Odor:</b> Clear, colorless, thin liquid with neutral odor.						
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/D		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/D      % UEL: N/D		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): None to boiling (TCC)			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Cool fire exposed containers with water. See Section #4 concerning hazardous decomposition products.			
<b>EXTINGUISHER MEDIA:</b> Non-combustible. Use media compatible with surrounding fire.						
<b>Unusual Fire &amp; Explosion Hazards:</b> See Section #4 concerning hazardous decomposition products.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [X] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [X] WILL NOT OCCUR			
<b>Incompatibility (Mat. to avoid):</b> Strong bases (alkalis), oxidizers (including chlorites and hypochlorites such as liquid bleach) and direct contact with silver.			<b>Conditions to Avoid:</b> None known.			
<b>Hazardous Decomposition Products:</b> CO, CO2 and formic acid.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> Eye and skin irritant. See ingestion note below.						
<b>Inhalation:</b> High concentrations or prolonged exposure to lower concentrations may be irritating to mucous membranes.						
<b>Eye Contact:</b> Eye irritation from short term contact. Prolonged & repeated contact more irritating.			<b>Skin Contact:</b> Prolonged & repeated liquid contact may result in irritation and dermatitis. (See chronic effects for long-term exposure concerns.)			
<b>Ingestion:</b> May be fatal if significant quantity is ingested. Highly irritating. May cause nausea, vomiting or diarrhea. (Note: This product contains 2% potassium acid oxalate. Symptoms of ingestion appear rapidly and include shock, collapse and convulsive seizures. See POISONDEX concerning effects of oxalates.)						
<b>CHRONIC EFFECTS:</b> Ingestion of may cause renal kidney damage due to calcium oxalate obstruction. Long-term, repeated and prolonged contact with skin may result in discoloration as a first signal that more serious sub-dermal issues must be addressed by medical attention to prevent damage.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing respiratory conditions, pre-existing skin or mucosal membrane irritation, or pre-existing impaired renal functions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.						
<b>Skin Contact:</b> Remove contaminated clothes. Flush skin thoroughly with water. If irritation persists, get medical attention. Launder contaminated clothing before reuse.						
<b>Inhalation:</b> Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention if symptoms develop.						
<b>Ingestion:</b> REQUIRES IMMEDIATE MEDICAL ATTENTION. 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 required unless potential of mist or spray. Use respirator approved by NIOSH for acid mists.						
<b>Protective Gloves:</b> Rubber, nitrile, PVC.			<b>Eye Protection:</b> Safety glasses or goggles.			
<b>Ventilation Requirements:</b> Local exhaust is sufficient.						
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as required to minimize skin contact. Eyewash station and safety shower.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken if Material is Spilled Or Released:</b> Contain spill. Keep out of surface waters & any sewers or water courses entering or leading to surface waters. Soak up with inert absorbent & place in properly labeled leak-proof containers for 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 away from heat, open flames & oxidizing materials. Keep closed when not in use. Store away from food.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Do not allow product to contact food.						

*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