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

NFPA Rating: Health-1; Flammability-0; Reactivity-0; Special- -

HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B

Manufactured For: **UNISOURCE WORLDWIDE, INC.**
Address: 133 Peachtree St. NE.
Address: Atlanta, GA 30303
Phone: **800-UNISOURCE**
Emergency Response Number: 1-888-660-6737
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

DOT Hazard Classification: NON-REGULATED
Identity (trade name as used on label):
ALLSTAR TANNIN SPOTTER PLUS (U17150, U17840)
MSDS Number: B00834 Revision - 1
Date Prepared: 07/01/02 Prepared By: DP(GP)/IB
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 **
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					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: <212°F
Specific Gravity (H2O=1): 1.03
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A
Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): <17mm Hg @ 20C
Vapor Density (Air = 1): N/D
Evaporation Rate (water = 1): 1
Solubility in Water: Soluble
Water Reactive: Negligible
Appearance and Odor: Clear, colorless, thin liquid with neutral odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A
Auto Ignition Temperature N/D
Flammability Limits in Air by % in Volume: % LEL: N/D % UEL: N/D

FLASH POINT AND METHOD USED (non-aerosols): None to boiling (TCC)
EXTINGUISHER MEDIA: Non-combustible. Use media compatible with surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water. See Section #4 concerning hazardous decomposition products.
Unusual Fire & Explosion Hazards: See Section #4 concerning hazardous decomposition products.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE
HAZARDOUS POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong bases (alkalis), oxidizers (including chlorites and hypochlorites such as liquid bleach) and direct contact with silver.
Conditions to Avoid: None known.
Hazardous Decomposition Products: CO, CO2 and formic acid.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [ ] INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS: Eye and skin irritant. See ingestion note below.
Inhalation: High concentrations or prolonged exposure to lower concentrations may be irritating to mucous membranes.
Eye Contact: Eye irritation from short term contact. Prolonged & repeated contact more irritating
Skin Contact: Prolonged & repeated liquid contact may result in irritation and dermatitis. (See chronic effects for long-term exposure concerns.)
Ingestion: 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.)
CHRONIC EFFECTS: 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.
Medical Conditions Generally Aggravated by Exposure: Pre-existing respiratory conditions, pre-existing skin or mucosal membrane irritation, or pre-existing impaired renal functions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin Contact: Remove contaminated clothes. Flush skin thoroughly with water. If irritation persists, get medical attention. Launder contaminated clothing before reuse
Inhalation: Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention if symptoms develop.
Ingestion: 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

Respiratory Protection (specify type): Not required unless potential of mist or spray. Use respirator approved by NIOSH for acid mists.
Protective Gloves: Rubber, nitrile, PVC.
Eye Protection: Safety glasses or goggles.
Ventilation Requirements: Local exhaust is sufficient.
Other Protective Clothing & Equipment: Clothing as required to minimize skin contact. Eyewash station and safety shower.
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: 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.
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.
Precautions To Be Taken In Handling & Storage: Store in original shipping containers away from heat, open flames & oxidizing materials. Keep closed when not in use. Store away from food.
Other Precautions &/or Special Hazards: 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