

**MSDS
MATERIAL SAFETY DATA
SHEET**

HERITAGE SYSTEMS INC.
2471 Solano Ave Suite 141 Napa, Ca. 94558

24-HOUR EMERGENCY TRANSPORTATION RESPONSE
NUMBER 800-535-5053

PRODUCT NAME: HSI 1550

PRODUCT NUMBER: 1550

CHEMICAL FAMILY: Surfactant

NFPA 704 DESIGNATION

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	

SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES

CAS #	64-17-5
CHEMICAL NAME	Ethanol
% BY WEIGHT	5-7%
OSHA/PEL	1000 ppm
ACGIH/TLV	1000 ppm
OTHER	

SECTION II-PHYSICAL DATA

Boiling Point:	N/A	Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A	Solubility in Water (% by Wt.):	Complete
% Volatiles by Volume:	N/A	Evaporation Rate:	N/A
Specific Gravity:	N/A	pH of Concentrate:	Neutral

Appearance and Odor: Clear / odorless viscous liquid.

SECTION III-FIRE AND EXPLOSION DATA

Flash Point:	>200° F
Hazardous Polymerization:	<input type="checkbox"/> Will Occur <input checked="" type="checkbox"/> Will Not Occur
Flammable Limits:	N/A
Lower Explosive Limits:	N/A
Upper Explosive Limits:	N/A
Extinguishing Media:	Water spray, carbon dioxide, foam or dry chemical.
Special Firefighting Procedures:	Use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	None known.
Conditions to Avoid:	N/A

Updated 8-26-04

SECTION IV-HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: (Refer to Section I)

EFFECTS OF OVEREXPOSURE: May cause moderate skin or eye irritation. Mild respiratory irritant.

EMERGENCY AND FIRST AID PROCEDURE:

SKIN: Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.

EYES: Flush eyes with copious amounts of water for at least 15 minutes, making sure eyelids are kept open. Seek medical attention if irritation or burning persists.

INGESTION: Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. **DO NOT INDUCE VOMITING.** Contact a physician or poison control center.

INHALATION: May be respiratory irritant after prolonged breathing of concentrate. Remove to fresh air. Use oxygen if severe exposure creates breathing difficulties or discomfort.

SECTION V-REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None known. Stable at room temperature.

INCOMPATIBILITY: None.

HAZARDOUS DECOMPOSITION: None known.

SECTION VI-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon or 1 pound) may be flushed to an approved sewer line with large amounts of water. Larger spills should be absorbed and collected for disposal, or collected with an industrial vacuum truck. Dike area with sand to prevent spread of spill prior to clean-up procedures.

WASTE DISPOSAL METHOD: Dispose of in accordance with all federal, state and local regulations. Do not release the concentrated or diluted product directly into storm drains or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use. Read label instructions.

SECTION VII-PROTECTIVE EQUIPMENT

VENTILATION: Forced air, local exhaust or open air is adequate.

PERSONAL PROTECTIVE EQUIPMENT: Wear at least chemical resistant gloves and eye protection when handling, moving or using this product.

WORK/HYGENIC PRACTICES: No unusual precautions are necessary.

SECTION VIII-REGULATORY INFORMATION

See Section II. DOT: Non-Regulated Material. This product is not considered hazardous.

SECTION IX-STORAGE AND HANDLING

Do not contaminate water, food or feed by storage or disposal. Keep product in a tightly closed container when not in use. Do not drop, roll or skid drum. Store in a cool, dry, well-ventilated area away from heat and open flame. Triple-rinse container. Offer for recycling, reconditioning or puncture and dispose of in a sanitary landfill; or incinerate if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION X-GENERAL PRECAUTIONS

KEEP AWAY FROM CHILDREN. FOR INDUSTRIAL OR COMMERCIAL USE ONLY.