MATERIAL SAFETY DATA SHEET

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CLEAR TANNIN GUARD

SECTION I - PRODUCT IDENTIFICATION

NAME OF MANUFACTURER	The Flood Company 1212 Barlow Road P.O. Box 2535 Hudson, Ohio 44236-0035 U.S.A.
EMERGENCY TELEPHONE NO.	800-321-3444 or your local poison control center
TRANSPORTATION	Chemtrec 800-424-9300 (24 hours)
PRODUCT NAME	Clear Tannin Guard
PRODUCT CLASS	Aqueous Pretreatment
DATE OF PREPARATION/CHANGE	November 15, 2000 / September 1, 2002
PREPARED BY	Safety & Compliance Officer

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT Chemical Name Common Name	Percent	Occupational Exposure Limit TLV	 PEL	Vapor Pressure	LD50 ORAL -RAT	LC50 IHL -RAT
Acetic Acid (aqueous solution) Vinegar Acid CAS# 64-19-7	<10	10ppm	25 mg/m^3	11mm@ 20°C	3310 mg/kg	5620 ppm

SECTION III - PHYSICAL DATA

BOILING RANGE	212 DEGREES F.
VAPOR DENSITY	N/A
EVAPORATION RATE	SLOWER THAN ETHER
VOLATILE VOLUME	85%
WEIGHT/GALLON	8.84 LBS/GAL
PHYSICAL STATE	LIQUID
APPEARANCE & ODOR	Watery-white liquid with slight pungent odor
ODOR THRESHOLD	NOT AVAILABLE
FREEZING POINT	32°F
pH	3.97

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F LEL: N/A

EXTINGUISHING MEDIA:

(X) FOAM	( ) ALCOHOL FOAM	(X) CO2
(X)DRY CHEMICAL	( ) WATER FOG	( ) OTHER

CLEAR TANNIN GUARD

UPPER FLAMMABLE LIMIT: NOT AVAILABLE
LOWER FLAMMABLE LIMIT: NOT AVAILABLE
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None are to be expected. Non-Flammable when in liquid state. Dry residue is a combustible solid.
SPECIAL FIREFIGHTING PROCEDURES: Non-flammable in liquid state. It is recommended to wear SCBA when fighting any type of fire. Keep containers cool with water spray.

SECTION V - TRANSPORTATION DATA

DOT Shipping Name:
UN NUMBER: Not Regulated by DOT.
HAZARD CLASS:
PACKING GROUP:

SECTION VI - TOXICOLOGICAL PROPERTIES

EFFECTS OF OVEREXPOSURE:

SKIN: May cause irritation and dermatitis.
EYE: May cause moderate irritation
INHALATION: May be irritating to the nose, mouth, and lungs.
SWALLOWING: May cause severe irritation. May result in damage to tissue and mucous membranes including irritation of the mouth, throat, stomach and entire gastrointestinal tract. Repeated excessive oral exposures may cause kidney damage and teeth destruction.

None of the ingredients of this mixture are listed as a carcinogen or a potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing eye, skin, respiratory disorders.
PRIMARY ROUTE (S) OF ENTRY: (X) DERMAL (X) INHALATION (X) INGESTION (X) EYE

SECTION VII - FIRST AID PROCEDURES

SKIN: Immediately flush area with large amounts of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.
EYE: Flush immediately with large amount of water for at least 15 minutes while holding eyelids open. Get medical attention at once.
INHALATION: Remove victim to fresh air. Seek medical attention if symptoms persist.
SWALLOWING: Immediately drink large quantities of water. **DO NOT INDUCE VOMITING.** DO NOT give anything by mouth if the person is unconscious or having convulsions. **Get medical attention immediately.**

SECTION VIII - REACTIVITY DATA

STABILITY: ( ) UNSTABLE (X) STABLE
HAZARDOUS POLYMERIZATION: ( ) MAY OCCUR (X) WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: Burning residue produces carbon dioxide and carbon monoxide.

CLEAR TANNIN GUARD

CONDITIONS TO AVOID: Keep away from acids. Extreme heat or cold.
INCOMPATIBILITY (MATERIALS TO AVOID): oxidizing agents, sodium hydroxide, alcohols, hydrogen & sodium peroxides, permaganates, amines, chromic & nitric acids.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent to pick up residue (saw dust, sand, commercial absorbents).
WASTE DISPOSAL METHOD: Dispose of according to all federal, state, and local regulations.
SECTION X - PREVENTATIVE MEASURES
RESPIRATORY PROTECTION: Not needed under normal exposure. If vapors, mists or aerosols are generated, wear a NIOSH/MSHA approved respirator in accordance with OSHA Standard 29 CFR 1900.134.
VENTILATION: Use adequate ventilation.
PROTECTIVE GLOVES: Chemical resistant gloves or other clothing as needed to minimize contact.
EYE PROTECTION: Safety goggles, splash protection. Splashes in eyes should be thoroughly rinsed with water, see physician at once.
OTHER PROTECTIVE EQUIPMENT: Avoid skin contact, protect all areas of skin, eyes and mucous membranes from contact. Rinse thoroughly with water in case of contact and immediately after use.
HYGIENIC PRACTICES: Wash hands with soap and water thoroughly after use.
SECTION XI - SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry place. Do not freeze.

SECTION 313 - SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight
None	None	None

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