

# MATERIAL SAFETY DATA SHEET

MANUFACTURED BY:  
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## 1. PRODUCT IDENTIFICATION

**PRODUCT TRADE NAME:** Humic Acid Liquid

**DATE PREPARED:** June 02, 1998

**CHEMICAL FAMILY:** Wood Chemicals

**FORMULA:** Amorphous Polymer

**SYNONYMS:**

**CAS NUMBER:** 68153-82-2

**EPA NUMBER:** not regulated

### National Fire Protection Association Rating

Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health	0
Flammability	0
Reactivity	0

## 2. INGREDIENTS AND HAZARDS

**HAZARD CLASSIFICATION:**

IRRITANT

### HAZARDOUS INGREDIENTS

CAS #

LIMITS

None

## 3. PHYSICAL DATA

**APPEARANCE:** Dark Brown Liquid

**ODOR:** Earthy smell

**SPECIFIC GRAVITY:** 1.08

**BOILING POINT:** 104°C

**FREEZING POINT:** -2°C

**BULK DENSITY:** N/A

**SOLUBILITY IN WATER:** Complete

**pH:** 5.0-5.6%

**VOLATILES:** None

NA = NOT APPLICABLE

## 4. FIRE AND EXPLOSION DATA

**FLASH POINT, F, COC:** None

**FLAMMABLE LIMITS:** N/A

**AUTO IGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Dry chemical, water, foam or carbon dioxide.

**FIRE & EXPLOSION HAZARD:** Firefighters should use self-container breathing apparatus to avoid exposure to smoke and vapor..

**FIRE & EXPLOSION HAZARD:** None known.

**SPECIAL PROCEDURES:** None known.

## 5. REACTIVITY DATA

**STABILITY:**

Product is stable.

**INCOMPATIBILITY:**

None known.

**DECOMPOSITION PRODUCTS:**

None known.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

## 6. HEALTH HAZARD DATA

**ROUTES OF EXPOSURE:** Ingestion, eyes, and skin.

### **SYMPTOMS**

**INGESTION:** May cause gastric distress as evidences by nausea and diarrhea.

**EYES:** May cause pain, excessive watering, redness and stinging.

**SKIN :** Prolonged exposure or repeated exposures may cause skin irritation and drying.

### **FIRST AID**

**EYES:** Irrigate immediately with water for at least 5 minutes. Consult physician if irritation persists.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** No adverse effect anticipated by this route of exposure incidental to proper industrial handling. For accidental ingestion of copious quantities by children, or appearance of symptoms noted in Section VI, contact a physician prior to taking any medical action.

**NOTE TO CARE AID ATTENDANTS:** Provide supportive care, consult and have available MSDS sheet and make said information known and available to attending medical support personnel.

## 7. PRECAUTIONS FOR SAFE HANDLING AND USE

**ACTION TO TAKE FOR SPILLS/LEAKS:** Contain spills by diking with dirt, sand or other absorbent material. Rope off area to prevent inadvertent spread of spill. Place leaking containers in overpak containers or transfer material to clearly marked new containers. Upon discovery of leak or spillage, notify proper supervisory personnel and if situation warrants, notify the proper Local or State hazardous waste response units prior to taking any action other than initial emergency response. All materials used to absorb leak or spill should be handled and disposed of in accordance to Local, State and Federal environment laws. Workers performing clean-up duties should be made aware of any potential health hazards and must wear the correct protective clothing and devices needed to perform the duties in a safe proper manner.

**PRODUCT DISPOSAL:** Excess product that cannot be used without violating label instructions must be disposed of in a manner that is in full compliance of Local, State and Federal laws.

**CONTAINER DISPOSAL:** Check with Local and State authorities for proper disposal prior to offering for recycling, incineration or sanitary land fill. Containers sent to local land fills should be triple rinsed, punctured and crushed prior to disposal.

**HANDLING & STORAGE:** Material may settle on storage. Product can be brought back into solution with shaking or the addition of water. Color of material may cause temporary staining if spilled, dropped, or improperly applied.

## 8. CONTROL MEASURES

**RESPIRATORY PROTECTION:**

Not required

**VENTILATION:**

No special requirements

**PROTECTIVE GLOVES:**

Chemical resistant rubber gloves

**EYE PROTECTION:**

Chemical protective eye wear.

**WORK/HYGIENIC PRACTICES:**

Avoid contact with eyes, skin, clothing. Wash thoroughly after handling.

## 9. REGULATORY STATUS

This product does not contain material regulated under SARA Title 3 Section 313

## 10. SHIPPING STATUS

**SHIPPING NAME:** DOT Lignin lliquor Class 55

**HAZARD CLASS:** DOT Not Restricted.