**Material Safety Data Sheet**

**Chemical Name:** Ethyl Alcohol, Denatured 95%

**Physical Data**
- **Melting Point (F):** <-114°C
- **Boiling Point (F):** 78°C
- **Vapor Pressure (mm Hg):** 47 @ 25°C
- **Vapor Density (Air=1):** 1.6
- **Solubility In Water:** 100%
- **Appearance & Odor:** Clear colorless liquid, mild odor

**Fire and Explosion Hazard Data**
- **Flash Point (Method Used):** 63°F
- **Extinguisher Media:** Water, dry chemical, foam or carbon dioxide.

**Special Firefighting Procedures**
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**Unusual Fire and Explosion Hazards**
Flammable! Autoignition temperature 422°C. Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back.

**Health Hazard Data**
- **Threshold Limit Value:** See Section II
- **Effects of Overexposure:**
  - **Acute:** Irritation to eyes, skin, lungs and GI tract.
  - **Chronic:** Dermatitis. Blindness due to presence of methanol. Kidney and liver damage.

**Emergency and First Aid Procedures**
Skin: Remove any contaminated clothing. Wash skin with soap and water from at least 15 minutes. Get medical attention if irritation develops or persists. **Eyes:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Spill or Leak Procedures**
Steps to be Taken in Case Material is Released or Spilled: Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel should wear protective clothing and respiratory protection if necessary. Small spills may be absorbed on paper towels and evaporated in a fume hood. Avoid disposal of combustible materials. Large spills: Contain and recover liquid when possible or absorb with vermiculite, dry sand, earth, or similar material. Scoop up with non-sparking tool and place in a closed container.

**Waste Disposal Method**
Discharge, incineration, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Can be liquid incinerated in FSHA-approved combustible chamber or absorb with vermiculite, dry sand, earth, or similar material. Scoop up with non-sparking tools, place in closed container, and dispose in an approved facility. Do not flush to the sewer.

**Respiratory Protection** (Specify Type)
- **Local Exhaust:** X
- **Mechanical (General):** X

**Protective Gloves**
- **Vinyl or Rubber**
- **Eye Protection**
- **Goggles**

**Other Protective Equipment**
- **Lab coat**

**Precautions to be Taken in Handling & Storing**
- **Keep container tightly closed when not in use.**
- **Store in a cool well ventilated location.**

**Other Precautions**
Read label on container before using. Do not wear contact lenses when working with chemicals. Conditions Aggravated/Target Organs: Persons with skin, eye, respiratory or kidney/failure disorders may be more susceptible. Liver/Kidney

**Approved by:** Steven C. Quandt

**Effective Date:** 11/14/04

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.