



Fisher Science Education  
6771 Silver Crest Road, Nazareth, PA 18064 (800) 955-1177  
Emergency Number: (800) 255-3924

## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

Catalog Numbers: S25309, S25309A, S25309B, S25309C  
Product Identity: Ethanol, 95%, Denatured

**Chemical Family:** Not Applicable  
**Synonyms:** Ethyl Alcohol, Denatured Alcohol  
**Recommended Use:** Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291  
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 06/20/12  
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### Section 2 – Hazard Identification

#### **Emergency Overview**

Flammable liquid. Toxic by ingestion; give large quantities of water and induce vomiting. Get medical attention. May cause dryness and cracking of the skin. May cause irritation to the respiratory tract, eyes and skin. Wash areas of contact. Get medical attention if irritation develops.

**Appearance:** Clear, colorless liquid      **Odor:** Alcohol

**Target Organs:** Respiratory system, Eyes, Skin, Central nervous system, Liver, and Pancreas,

#### **Potential Health Effects/ Routes of Exposure:**

**Eyes:** May cause irritation, burning, pain, and possible damage to the cornea and conjunctiva.

**Skin:** May cause irritation, drying and cracking leading to secondary infection and dermatitis,

**Ingestion:** May cause hallucinations, sleep disorders, distorted perception, ataxia, motor function changes, convulsions, tremors, coma, and headaches.

**Inhalation:** May cause irritation to the upper respiratory tract, eyes, and nose, central nervous system depression, sleepiness, lack of concentration.

**Chronic Effect / Carcinogenicity:** None (IARC, NTP, OSHA)

**Aggravated Medical Conditions** No information available

These chemicals are considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

### Section 3 – Composition, Information on Ingredients

Ethanol, Denatured\* CAS# 64-17-5, 95%

Water, purified, CAS# 7732-18-5, 5%

\*Denaturants:

Methanol, CAS# 67-56-1

Isopropyl Alcohol, CAS# 67-63-0

### Section 4 – First Aid

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

**Skin:** Flush with water for 15 minutes. Get medical assistance if irritation develops.



**Solubility:** Infinite available

**Partition Coefficient n-octanol/water:** No data

**Relative Density:** No Information Available

**Molecular Weight:** Not available

### **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatible Materials:** Strong oxidizers, heat, sparks, open flames, platinum, sodium, bromine pentafluoride, potassium dioxide, acetyl bromide, acetyl chloride

**Conditions to Avoid:** Excess heat, Incompatible Materials, Ignition source, or Flame

**Hazardous Decomposition Products:** Oxides of carbon, acrid and irritating fumes

**Hazardous Polymerization:** Does not occur

**Hazardous Reactions:** None under normal processing.

### **Section 11 – Toxicological Information**

**Routes of Exposure/Symptoms/Corrosiveness** – See Section 2

LD50 orl-rat: 7060mg/kg (Ethanol)

LC50 inhalation-rat: No Information Available

**Irritation:** No Information Available

**Toxicologically Synergistic:** No Information Available

#### **Chronic Exposure**

**Carcinogenicity** No Information Available

**Sensitization** No information available.

**Mutagenic Effects** No information Available

**Reproductive Effects** No information Available

**Developmental Effects (Immediate/Delayed)** No information available.

**Teratogenicity** No information available.

**Other Adverse Effects** No Information Available.

**Endocrine Disruptor Information** No information available

### **Section 12 – Ecological Information**

**Ecotoxicity:** Ethanol has a slight acute and chronic toxicity to aquatic life.

**Persistence and Degradability:** No Information Available

**Mobility:** No Information Available

**Bioaccumulation/ Accumulation:** No Information Available

### **Section 13 – Disposal Considerations**

**Waste Disposal/Waste Disposal of Packaging:** Absorb with inert material and place in container for disposal. Ventilate area of spill. Have fire extinguishing agent available in case of fire. Eliminate all sources of ignition. Use non-sparking equipment.

All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

### **Section 14 – Transport Information**

DOT – UN1170, Ethanol, 3, II

### **Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** This chemical is considered hazardous by OSHA.

**Canada DSL:** This chemical is on Canada's DSL.

**TSCA:** The components of this solution are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable.

**WHMIS:** B-2: Flammable and Combustible Material. Flammable Liquid. D-2B: Poisonous and Infectious Material. Materials causing other toxic effects – Toxic Material.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

## **Section 16 – Additional Information**

**Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.**