



## SECTION 5- HEALTH INFORMATION

**PRIMARY ROUTES OF EXPOSURE**

Inhalation, ingestion, or absorption through skin

**SIGNS & SYMPTOMS OF EXPOSURE**
**1: ACUTE OVEREXPOSURE:**

May cause eye, skin, or respiratory irritation, toxic if ingested

**2: CHRONIC OVEREXPOSURE:**

May cause eye, skin, or respiratory irritation, toxic if ingested

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

May cause eye, skin, or respiratory irritation

**CHEMICAL /COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:**

None

**OTHER EXPOSURE LIMITS:**

Not established

**EMERGENCY & FIRST AID PROCEDURES:**

**EYES:** Flush with cool tap water for at least 15 minutes

**SKIN:** Wash thoroughly with warm water and soap

**RESPIRATORY:** Remove to fresh air, if distress continues, administer oxygen and contact physician

**INGESTION:** Drink large amounts of water, induce vomiting until vomit is clear, give milk, rinse mouth with water, seek medical attention

IN ALL CASES IF IRRITATION OR DISTRESS PERSISTS, CONTACT PHYSICIAN OR NEAREST POISON CONTROL CENTER

## SECTION 6- REACTIVITY DATA

**STABILITY:**

Stable

**CONDITIONS TO AVOID:**

Ignition sources, high temperatures

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Strong Oxidizers, Strong acids

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Toxic Fumes of carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides under fire conditions

**HAZARDOUS POLYMERIZATION:**

Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION)**

Not applicable for polymerization

## SECTION 7- SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:**

Eliminate all sources of ignition. Wear protective equipment. For small spills, absorb on paper towels, evaporate in fume hood or Burn the absorbed material in an incinerator.

**WASTE DISPOSAL METHOD:**

Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines.

## SECTION 8- PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:**

In cases where dusts or powders exist- use NIOSH/MSHA Approved Organic Vapor Respirator

**VENTILATION:**

Room ventilation or mechanical local exhaust as needed to stay below exposure limits.

**PROTECTIVE GLOVES:**

Chemical resistant gloves

**EYE PROTECTION:**

Suggested when the potential of splashes or contact with the eyes or face is possible

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

An eye wash fountain and safety shower should be readily available where the potential for splashes or eye contact with the reagent exists

## SECTION 9- SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Store and handle according to package and MSDS directions. Store in cool, well-ventilated area. Keep away from reactive materials and away from fire hazard or source of ignition.

**OTHER PRECAUTIONS:**

Do not ingest, get in eyes, on skin, or on clothing. Avoid breathing dust or vapor. Wash thoroughly after handling.

**SHELF LIFE:**

Under normal storage and use conditions, these solutions are anticipated to have an unlimited shelf life.

**TRANSPORTATION**

Shipping Name: Ethanol Solution Hazard Class: 3 UN# 1170 Packing Group: II Flammable Liquid

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