

1. Product and Company Identification

Product Code: X006047

Product Name: Leuco Fixative

Company Name: Alpha-Tec Systems, Inc.
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Information:

Intended Use: For Laboratory Use Only

Product List

2. Hazards Identification

Flammable Liquids, Category 2



GHS Signal Word: **Danger**

GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.

GHS Precautionary Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+378 - In case of fire, use ... to extinguish.

GHS Storage and Disposal Phrases: P403+235 - Store in cool/well-ventilated place.
P501 - Dispose of contents/container to ...

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64-17-5	Ethyl alcohol {Ethanol}	~80.0 %
7732-18-5	Water	~20.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration.

In Case of Skin Contact: Wash skin with soap and water. Get medical aid if symptoms occur.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

In Case of Ingestion: Do NOT induce vomiting. Wash mouth out with water. Get medical aid if symptoms occur.

5. Fire Fighting Measures

Flash Point: 12.00 C Method Used: Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: Carbon oxides.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: For personal protection see section 8.

Environmental Precautions: Do not empty into drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Use explosion-proof equipment. Avoid contact with skin and eyes.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol {Ethanol}	PEL: 1000 ppm	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Good laboratory practices should be followed which includes preventing eye contact and minimizing skin contact and inhalation.
Eye Protection:	Safety glasses.
Protective Gloves:	Gloves must be inspected prior to use.
Other Protective Clothing:	Flame retardant antistatic protective clothing.
Engineering Controls (Ventilation etc.):	No data available.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Appearance: colorless. Odor: alcohol-like.
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data.
Flash Point:	12.00 C Closed Cup
Evaporation Rate:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure:	No data.
Vapor Density (vs. Air=1):	No data.
Specific Gravity (Water=1):	No data.
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.

Information with regard to primary physical hazard:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - flames and sparks. Heat.

Instability:

Incompatibility - Materials To Avoid: Ammonia, Oxidizing agents. Peroxides, Alkali metals.

Hazardous Decomposition or Byproducts: No data available.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Dispose of product in accordance with all federal, state, and local regulations.

14. Transport Information

GHS Classification: Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Ethanol [or] Ethyl alcohol [or] Ethanol solutions [or] Ethyl alcohol solutions.

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1170 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Ethanol [or] Ethyl alcohol [or] Ethanol solutions [or] Ethyl alcohol solutions.

UN Number: UN1170 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: ISOPROPANOL.

UN Number: UN1170 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: ISOPROPANOL.

UN Number: UN1170 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID

15. Regulatory Information**16. Other Information****Revision Date:** 03/19/2024**Preparer Name:** AFrontella**Additional Information About This Product:** No data available.**Document & Change Control Number** SDS0302.A.**Company Policy or Disclaimer:** Disclaimer

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