

LTS Research Laboratories, Inc. Safety Data Sheet Ammonium phosphate

1. Product and Company Identification

Trade Name: Ammonium phosphate

Chemical Formula: NH₄H₂PO₄

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 37 Ramland Road
City: Orangeburg
State: New York
Zip Code: 10962
Country: USA

Tel #: 855-587-2436 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

2. Hazards Identification

Signal Word: Warning



Hazard Statements: H315: Causes skin irritation

H319: Causes serious eye irritation H335: May cause respiratory irritation

Precautionary Statements: P261: Avoid breathing dust/fume/vapor

P280: Wear protective gloves, eye protection, face protection P304+P340: IF INHALED: Remove person to fresh air and keep

comfortable for breathing

P305+P351+P338: If in eyes: Rinse cautiously with water for several

minutes.

P405: Store locked up

P501: Dispose of contents and container in accordance with local,

regional, national, international regulations.

HMIS Health Ratings (0-4):

Health: 1 Flammability: 0 Physical: 1

3. Composition

Chemical Family: Nonmetal Additional Names: N/A

Ammonium Phosphate (NH₄H₂PO₄):

Percentage: 100 wt% CAS #: 7722-76-1 EC #: 231-764-5

fresh air. Supply oxygen if breathing is difficult. Seek immediate medical attention. edical attention. affected area with mild soap and water. Remove anying. Seek immediate medical attention. tter, blinking often for several minutes. Remove esent and easy to do. Continue rinsing. Seek medical
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easures
ons – use suitable extinguishing agent for all and type of fire.
contained breathing apparatus with full protective
contact with skin and eyes. See section 10 for
ducts.
Measures
espiratory and protective equipment specified in information. Keep unprotected persons away. Isolate ide ventilation. Vacuum up spill using a high ate absolute (HEPA) air filter and place in a closed
sal. Take care not to raise dust. event environmental pollution.
Storage
fter handling.
place in a tightly sealed container. Store away from tore apart from materials and conditions listed in
o or food in work area. Wash thoroughly before g. Do not blow dust off clothing or skin with
ventilation to maintain concentration at or below
ersonal Protection
chemical fume hood designed for hazardous ing an average face velocity of at least 100 feet per
es with minimum thickness of 0.11 mm
oggles
othing. Wear close-toed shoes and long

9. Physical and Chemical Characteristics

Color White

Form: Powder, Granules, Pellets, Sputtering target, Custom parts

Odor: **Odorless** Water Solubility: Soluble **Boiling Point:** N/A **Melting Point:** 190°C Flash Point: N/A **Autoignition Temperature:** N/A 1.81 g/cc Density: Molecular weight: 115.03 g/mol

10. Reactivity

Stability: Stable under recommended storage conditions

Reacts With: Strong oxidizing agents, strong acids, sodium hypochlorite

Incompatible Conditions: None

Hazardous Decomposition Products: Metal oxide fumes, nitrogen oxides (NOx), phosphorus oxides,

ammonia

11. Toxicological Information

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Potential Health Effects:

Eyes: Cause serious eye irritation
Skin: Causes skin irritation
Ingestion: May cause irritation

Inhalation: May cause respiratory irritation

Chronic: N/A

Signs & Symptoms: N/A

Aggravated Medical Conditions: N/A

Median Lethal Dose: 2,000 mg/kg for rat by mouth

Carcinogen: IARC: No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by

ACGIH.

NTP: No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen by

NTP.

OSHA: No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcinogen by

OSHA.

12. Ecological Information

Aquatic Toxicity: Yes

Persistent Bioaccumulation Toxicity: N/A
Very Persistent, Very Bioaccumulative: N/A

Notes: Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout)

-> 85.9 mg/l - 96 h (OECD Test Guideline 203)

Do not allow undiluted product or large quantities to reach ground

water, water course or sewage system. Avoid transfer into the environment

13. Disposal	Considerations
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Dispose of in accordance with local, state, national, and international regulations.

14.	Trans	portation	Data
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Hazardous: Not hazardous for transportation.

Hazard Class: N/A
Packing Group: N/A
UN Number: N/A
Proper Shipping Name: N/A

15. Regulatory Information

Sec 302 Extremely Hazardous: No Sec 304 Reportable Quantities: N/A Sec 313 Toxic Chemicals: No

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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