

Safety Data Sheet

1. Product and Company Identification

Product Name : AMMONIUM NITRATE
Catalog Number : AN-2600
Company Information : PREMIER Lab Supply, Inc.
 691 NW Enterprise Drive
 Port St Lucie, FL 34986
 USA
Date Issued : JULY 2014
Emergency Phone Number : 772-873-1700
Business Phone Number : 772-873-1700
Fax Number : 772-873-1800

2. Hazard Identification

Emergency Overview:

Hazard Classification:

Category 2 : Skin Irritation
 Category 2A : Eye Irritation
 Category 3 : Oxidizing solid

Safety Label Elements



Pictogram

Signal Word

Warning

Hazard Statements

H272 : May intensify fire; oxidizer
 H315 : Causes skin irritation
 H319 : Causes serious eye irritation
 H335 : May cause respiratory irritation

Precautionary Statements

P210 : Keep away from heat/sparks/open flame/ hot surfaces
 P220 : Keep/Store away from clothing/ combustible materials
 P305, P351, P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.

Category	HMIS Classification	NFPA Rating
Health Hazard	1	1
Fire/Flammability	0	0
Physical Hazard	2	-
Reactivity Hazard	-	2

3. Composition/Information on Ingredients

Ingredients	CAS Number	EC Number	Weight Percent
Ammonium Nitrate	6484-52-2	229-347-8	-

4. First Aid Measures

General Advice:

Seek immediate medical advice with the copy of the label and MSDS. Move out of dangerous area.

After Inhalation:

Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.

After Skin Contact:

Wash with soap and water and rinse thoroughly. Seek immediate medical advice.

After Eye Contact:

Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice.

After Swallowing:

Do not induce vomiting. Seek immediate medical advice. Rinse mouth with water.

5. Fire-Fighting Measures

Suitable Extinguishing Agents:

Use water spray, dry chemicals or carbon dioxide

Protective Equipment:

Wear self-contained respirator and fully protective impervious suit.

Hazardous Combustion Products:

Under Fire Conditions Form – Nitrogen oxides, Ammonia gas

6. Accidental Release Measures

Person Precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental Protection:

Do not allow material to be released to the environment without proper governmental permits.

Methods and Materials for Containment and Cleanup:

Pick up and arrange disposal without creating dust. Keep in suitable closed container for disposal.

7. Handling and Storage Measures

Precautions for Safe Handling:

Avoid contact with skin and eyes. Avoid dust and aerosol formation. Ensure good ventilation.

Condition for Safe Storage:

Store in cool, dry place in tightly closed containers. Hydroscopic.

8. Exposure Controls and Personal Protection

Control Parameters:

Contains no substances with occupational exposure limit values

Personal Protective Equipment:

Respiratory Protection: For nuisance exposure use dust mask. Use masks and respirators tested and approved under appropriate government standards.

Hand Protection: Handle with gloves. Inspect gloves before use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: For eye protection use safety glasses or face shield. Use masks and respirators tested and approved under appropriate government standards.

Skin and Body Protection: The type of equipment must be selected according to the concentration and amount the dangerous substance at the specific workplace.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Appearance	:	Crystalline Powder
Odor	:	Odorless
Odor Threshold	:	No Data Available
pH	:	4.5-6 at 80.4 g/L at 20 °C (68 °F)
Melting Point/Freezing Point	:	169 °C (336 °F)
Boiling Point	:	210 °C (410 °F)
Flash Point	:	Not Applicable
Evaporation Rate	:	No Data Available
Explosion Limits(Upper/Lower)	:	No Data Available
Vapor Pressure	:	Not Applicable
Vapor Density	:	No Data Available
Relative Density	:	1.72 g/cm ³
Solubility	:	2130 g/L
Partition Coefficient	:	No Data Available
Auto-Ignition Temperature	:	No Data Available
Decomposition Temperature	:	No Data Available
Viscosity	:	No Data Available

10. Stability and Reactivity

Reactivity	:	No Data Available
Chemical Stability	:	Stable under recommended storage conditions
Possibility of Hazardous Reactions	:	No Data Available
Condition to Avoid	:	Decomposition will not occur if used/stored appropriately.
Incompatible Materials	:	Reducing Agents
Hazardous Decomposition Products	:	Nitrogen Oxides, Ammonia gas

11. Toxicological Information

Acute Toxicity:	Oral LD50	Dermal LD50	Other information of acute toxicity
Ammonium Nitrate	2217 mg/kg	No Data Available	No Data Available

Skin corrosion/irritation	:	No Data Available
Serious eye damage/eye irritation	:	Risk of eye damage (Rabbit)
Respiratory or skin sensitization	:	No Data Available
Germ Cell mutagenicity	:	No Data Available
Carcinogenicity	:	No classification data of levels greater than or equal to 0.1% on carcinogenic properties of this material is available from the IARC, NTP, OSHA or ACGIH.
Reproductive toxicity	:	No Data Available
Teratogenicity	:	No Data Available
Specific target organ toxicity – single exposure	:	No Data Available

Specific target organ toxicity – repeated exposure : No Data Available
Aspiration Hazard : No Data Available
Synergistic Effects : No Data Available
Additional Information : RTECS: No Data Available

12. Ecological Information

Toxicity : No Data Available
Persistence and Degradability : No Data Available
Bioaccumulation potential : No Data Available
Mobility in Soil : No Data Available
Other Adverse effects : No Data Available

13. Disposal Considerations

Product : Contact a licensed professional waste disposal service to dispose.
Contaminated packaging : Dispose of as unused product

14. Transportation Information

DOT :
 UN number: 1942 : Class: 5.1 Packing Group: III
 Proper shipping Name : Oxidizing Solid (Ammonium Nitrate)
 Reportable Quantity :
 Marine Pollutant : No
 Poison Inhalation Hazard : No
IMDG
 UN number: 1942 : Class: 5.1 Packing Group: III EMS-No: F-H, S-Q
 Proper shipping Name : Oxidizing Solid (Ammonium Nitrate)
 Marine Pollutant : No
IATA
 UN number: 1942 : Class: 5.1 Packing Group: III
 Proper shipping Name : Oxidizing Solid (Ammonium Nitrate)

15. Regulatory Information

Chemical Name	SARA 302	SARA 313	SARA 311/312 Hazards
Ammonium Nitrate	None	YES	Acute Health Hazard, Chronic Health Hazard, Reactivity Hazard

Right to Know Act :

Massachusetts	Pennsylvania	New Jersey	California
Ammonium Nitrate	Ammonium Nitrate	Ammonium Nitrate	Does not contain chemical known to State of California to cause cancer, birth defects or any other reproductive harm
CAS-No.6484-52-2	CAS-No.6484-52-2	CAS-No.6484-52-2	

16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with the Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.