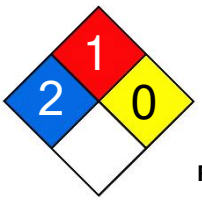
Material Safety Data Sheets



Revision 2

1. IDENTIFICATION

Product Name	**Ammonium acetate**
Other Names	**Acetic acid, ammonium salt**
Uses	**No Data Available**
Chemical Family	**No Data Available**
Chemical Formula	**$CH_3.COONH_4$**
Chemical Name	**No Data Available**
Product Description	**No Data Available**
Company	**Arman sina.co**
Contact Information	**info@armansina.com** **www.armansina.com**

2. HAZARD IDENTIFICATION

Hazard Categories	irritant
Risk Phrases	No Data Available .
Safety Phrases	No Data Available

Symbol

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Ammonium acetate	$CH_3.COONH_4$	631-61-8	97.00 - 100.00%

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	In case of consumption in large quantities, it is recommended to seek medical assistance.
Eye	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.
Skin	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety Data Sheet
Inhaled	In case of symptoms, move the person affected into fresh air.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Measures	No Data Available
Flammability Conditions	May be combustible at high temperature.
Extinguishing Media	Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)
Fire and Explosion Hazard	Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.
Hazardous Products of Combustion	Under fire conditions, hazardous fumes will be present.
Special Fire Fighting Instructions	No Data Available
Personal Protective Equipment	No Data Available
Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	
Clean Up Procedures	Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal
Containment	Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas.
Decontamination	No information available.
Environmental Precautionary Measures	This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.
Evacuation Criteria	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Personal Precautionary Measures	For non-emergency personnel: Isolate leaks provided that there is no additional risk for the people performing this task. For emergency responders: Wear protective equipment. Keep unprotected persons away. See section 8.

7. HANDLING AND STORAGE

Handling	Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
Storage	Keep containers tightly closed. Store in cool, dry place. Store in a wellventilated place. Avoid sources of heat, radiation, static electricity and contact with food.
Container	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Exposure Limits	No Data Available
Biological Limits	No Data Available
Engineering Measures	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection Equipment	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid.
Appearance	No Data Available
Odour	Slight acetic acid odor
Colour	White
pH	6.7 - 7.3 (25 °C) (5% aqueous solution)
Vapour Pressure	0.01 kPa (25 °C)
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	114 °C
Freezing Point	No Data Available
Solubility	Easily soluble in cold water. Partially soluble in methanol, acetone. Freely soluble in alcohol.
Specific Gravity	1.073 [Merck Index]; 1.17 [Handbook of Chemistry and Physcis] (Water = 1)
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	1.07 mg/l (20 °C)
Specific Heat	No Data Available
Molecular Weight	77.08 g/mol

Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	No information available.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	No information available.
Reactions That Release Gases or Vapours	No information available.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

General Information	The product is stable.
Chemical Stability	Chemically stable under the indicated conditions of storage, handling and use.
Conditions to Avoid	Heat. Moisture. Contact with incompatible materials.
Materials to Avoid	Strong oxidizing agents. Acids. Sodium hypochlorite.
Hazardous Decomposition Products	ammonia Nitrogen Oxides
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Information on toxicological effects: Inhalation: May be harmful if inhaled. May cause irritation to the respiratory system. Skin Contact: Prolonged skin contact may cause temporary irritation. Eye contact: May cause temporary eye irritation. Ingestion: May be harmful if swallowed. May cause irritation of the gastrointestinal tract.

Acute

Acute toxicity (list all possible routes of exposure)
Oral Product: LD 50 (Rat): 3,250 - 3,550 mg/kg
Dermal Product: LD 50 (Rabbit) > 20,000 mg/kg
Inhalation Product: No data available.

Carcinogen Category	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Persistence/Degradability	No Data Available
Mobility	No Data Available
Environmental Fate	No Data Available
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Special Precautions for Land Fill	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

Land Transport

Proper Shipping Name	Ammonium acetate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	No Data Available

Sea Transport

Proper Shipping Name	Ammonium acetate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No Data Available

Comments	No Data Available

Air Transport

Proper Shipping Name	Ammonium acetate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	No Data Available

15. OTHER INFORMATION

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Key/Legend

< Less Than
> Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
cm² Square Centimetres
CO2 Carbon Dioxide
COD Chemical Oxygen Demand
deg C (° C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (° F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH2O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH2O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight