

Safety Data Sheet

File version: 1

Ammonium acetate, 1M

SDS Date: 27 Nov 2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 1M Ammonium acetate
PRODUCT CODES: 1008093
1008094
MANUFACTURER: Rigaku Reagents
ADDRESS: 9009 New Trails Drive
The Woodlands, TX 77381
USA
PHONE: +1 (281) 362-2300 x 502
EMAIL: ReagentOrders@Rigaku.com

CHEMICAL NAME: Ammonium acetate
CHEMICAL FORMULA: NH₄C₂H₃O₂

PRODUCT USE:
PREPARED BY: Rigaku Reagents

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

OSHA HAZARDS: Irritant

GHS CLASSIFICATION

Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Signal word: Warning

Hazard statement(s):

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s):

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

POTENTIAL HEALTH EFFECTS:

EYES: Causes eye irritation.

SKIN: May be harmful if absorbed through skin. Causes skin irritation.

INGESTION: May be harmful if swallowed.

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

SECTION 2 NOTES:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: Ammonium acetate, De-ionized water

AMMONIUM ACETATE:

CAS NO.

% WT

% VOL

Safety Data Sheet

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SDS Date: 27 Nov 2016

631-61-8

7.708

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**SKIN:** Wash off with soap and plenty of water. Consult a physician.**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.**SECTION 4 NOTES:**

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT:

F: no data available

C: no data available

AUTOIGNITION TEMPERATURE:

F: no data available

C: no data available

NFPA HAZARD CLASSIFICATION

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

HMIS HAZARD CLASSIFICATION

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**SPECIAL FIRE FIGHTING PROCEDURES:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x)**SECTION 5 NOTES:** Not flammable or combustible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains.**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.**SECTION 6 NOTES:**

SECTION 7: HANDLING AND STORAGE

Safety Data Sheet

File version: 1

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SDS Date: 27 Nov 2016

HANDLING AND STORAGE: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C. Hygroscopic.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

EYE PROTECTION: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN PROTECTION: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear, colorless

PHYSICAL STATE: liquid, clear

pH AS SUPPLIED: no data available

pH (Other): no data available

BOILING POINT:

F: no data available
C: no data available

FREEZING POINT:

F: no data available
C: no data available

VAPOR PRESSURE (mmHg): no data available

@

F: no data available
C: no data available

VAPOR DENSITY (AIR = 1): no data available

SPECIFIC GRAVITY (H2O = 1): no data available

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F: no data available
C: no data available

EVAPORATION RATE: no data available

SOLUBILITY IN WATER: completely soluble

VISCOSITY: no data available

Safety Data Sheet

File version: 1

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SDS Date: 27 Nov 2016

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F: no data available

C: no data available

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions.**CONDITIONS TO AVOID (STABILITY):** No data available.**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, strong acids.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx). Other decomposition products - no data available**SECTION 10 NOTES:**

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:**ORAL LD50:** No data available**INHALATION LC50:** No data available**DERMAL LD50:** No data available**SKIN CORROSION/IRRITATION:** No data available**SERIOUS EYE DAMAGE/EYE IRRITATION:** No data available**RESPIRATORY OR SKIN SENSITIZATION:** No data available**GERM CELL MUTAGENICITY:** No data available**CARCINOGENICITY:****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.**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.**REPRODUCTIVE TOXICITY:** No data available**SECTION 11 NOTES:**

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

Toxicity to fish LC50 - Cyprinus carpio (Carp) - 56 mg/l - 48 h

PERSISTENCE AND DEGRADABILITY

No data available

BIOACCUMULATIVE POTENTIAL

No data available

MOBILITY IN SOIL

No data available

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PBT AND vPvB ASSESSMENT

No data available

SECTION 12 NOTES:**SECTION 13: DISPOSAL CONSIDERATIONS**

PRODUCT: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

CONTAMINATED PACKAGING: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION**U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: Environmentally hazardous substances, liquid, n.o.s. (Ammonium acetate)
HAZARD CLASS: 9
ID NUMBER: 3077
PACKING GROUP: III
MARINE POLLUTANT: No
POISON INHALATION HAZARD: No

WATER TRANSPORTATION

Not dangerous goods.

AIR TRANSPORTATION

Not dangerous goods.

SECTION 14 NOTES:**SECTION 15: REGULATORY INFORMATION**

OSHA HAZARDS: Irritant.

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 COMPONENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 HAZARDS: Acute health hazard.

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS:

	<u>CAS-No.</u>
Ammonium acetate	631-61-8
Water	7732-18-5

NEW JERSEY RIGHT TO KNOW COMPONENTS:

	<u>CAS-No.</u>
Ammonium acetate	631-61-8
Water	7732-18-5

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

DISCLAIMER: The above information is believed to be correct but does not necessarily include all information and should be used only as a guide. The information in this document is based on our current knowledge and applies to the product with regard to appropriate safety precautions. This document does not represent any guarantee of the properties of the product. Rigaku Reagents will not be held liable for any damage resulting from handling or contact with the above product.