

EPICENTRE BIOTECHNOLOGIES
726 Post Road, MADISON WI 53713
Emergency Tel: 608-258-3080 or 800-284-8474 7:30-4:30 Central
MATERIAL SAFETY DATA SHEET
Effective: 08/2010

Section 1: Chemical Identification

Product name(s): 5 M ammonium acetate solutions product numbers G1005ML and G1025ML.
BACMAX™ Solution 4 as a component of BACMAX™ DNA Purification Kit BMAX044, 10 M ammonium acetate solution G8010ML, 5 M ammonium acetate solutions as components of RiboScribe™ RNA Probe Synthesis Kits; RS5807, RS5806, RS5803, RS71207, RS71206, and RS71203, MPC Protein Precipitation Reagent (MMP095H, MMP03750 and MPS09250) separate or as component of kits (MB105400, MB711705, MB711740, MB711400, MGN0910, MPY03010, MPY03100, MC85200, MC89010, MCD85201, MCR85102, MG71100, MGD08420, MGP04020, MGP04100, M0755AN-LN, MOS02N, MG71100, MPS04050, MPR09100, MPR09010, MPY80200, MPY80010, PC8805, WM04020, WM04005). Ammonium acetate is also present in products FD05005, FD05025, FMAX046, PL71225, RF910100, RF91025, TTH7201K, TTH7205K, TTH72100, TTH72250, TTH72500,

Section 2: Composition and Information on Hazardous Ingredients

Component	CAS No	EINECS#	% Wt
ammonium acetate	631-61-8	unlisted	20-77

Synonyms: acetic acid, ammonium salt

Section 3: Hazards Identification

Overview: May cause liver damage. Causes eye and skin irritation. Causes digestive and respiratory tract irritation. Target organ: liver

Potential health effects:

- Eye: May cause mild eye irritation
- Skin: May cause mild skin irritation
- Ingestion: May cause digestive tract irritation. May cause tremor and impaired motor function.
- Inhalation: N/A
- Chronic: chronic ingestion may cause liver damage.

Section 4: First Aid Measures

Effects of overexposure:

Irritates skin, eyes and digestive and respiratory tract.

Chronic ingestion may cause liver damage.

Remove from exposure. Flush from skin or eyes for at least 15 minutes with water. If irritation is evident or if ingested or inhaled, seek medical advice immediately.

Ingestion: Induce vomiting. If victim is conscious or alert, give 2-4 cups of milk or water. Get medical aid.

Inhalation: Obtain immediate medical attention. Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Note to physician: Treat symptomatically and supportively. No specific antidote known.

Section 5: Fire Fighting Measures

Extinguishing Media	Water, CO ₂ , Dry chemicals
Fire fighting Procedures	Wear self-contained breathing apparatus and protective clothing
Unusual fire or explosion hazards	Emits toxic fumes under fire conditions
Flash point	136 °C
NFPA Rating	not published
Explosion limits	no upper or lower limits available

Section 6: Accidental Release Measures

Wipe or rinse spills. Use proper personal protective equipment.

Section 7: Handling and Storage

Store in a tight closed container. Store in a cool dry place. that is well ventilated place away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Use general or local exhaust ventilation. No limits reported for ACGIH, NIOSH, OSHA PELs

Respiratory protection: wear NIOSH approved respirator

Eyes: Wear safety glasses or goggles per OSHA standards

Ventilation: Use adequate ventilation

Personal Protective Equipment: wear gloves and suitable clothing to prevent skin exposure

Section 9: Physical and Chemical Properties

Appearance: The protein precipitation reagent or 5 M ammonium acetate solution is one of several containers in the kits named above. 10 M ammonium acetate is a single tube provided as an individual product. The reagent is a clear colorless liquid.

Molecular Mass: 77.08

Molecular Formula

C₂H₇NO₂

Section 10: Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions

Incompatibility: strong oxidizers, sodium hypochlorite.

Hazardous decomposition products: nitric oxide and ammonia

Hazardous polymerization: Not reported to occur

Section 11: Toxicological Information

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

No information available for epidemiology, teratogenicity, reproductive effects, neurotoxicity, or mutagenicity

Section 12: Ecological Information

Ecotoxicity: Mosquito fish (fresh water) TLm=238 PPM/24 hours

Environmental fate: N/A

Physical/chemical: N/A

Section 13: Disposal Considerations

Dispose material and container in accordance with appropriate federal, state and local laws and regulations. Recover and recycle if possible. Processed material may require different disposal methods.

Not listed by RCRA D, F, P and U series. Not listed as banned for land disposal by RCRA.

Section 14: Transport Information

No special considerations are known. Not regulated as a hazardous material. Canadian TDG Shipping Name Ammonium Acetate Hazard class 9.2 UN #: UN9079. Regulated limit 230 kg.

Section 15: Regulatory Information

TSCA: Listed in TSCA inventory Not under TSCA Section 12b Does not have a SNUR

Not in Health and Safety Reporting List

Not in Chemical Test Rules

SARA Does not have RQ or TPQ under SARA; SARA codes 631-61-8 acute Not reportable under Section 313

Clean Air Act: No hazardous air pollutants. No Class 1 or 2 ozone depletors.

Clean Water Act: Not Priority Pollutants under CWA.

Not listed as highly hazardous by OSHA

Right to know listing in California, New Jersey, Massachusetts and Pennsylvania

Not listed as significant risk level in California

Listed on Canada's DSL/NDL list. Not listed on Canada's Ingredient Disclosure List.

No European hazard symbol available.

Exposure limits: TWA 2 mg/m³ Australia, Denmark, Japan, France, Finland, The Netherlands, Philippines, Sweden, Switzerland, Thailand, Turkey, United Kingdom, Bulgaria.

Belgium: STEL 2 mg/m³ STEL Switzerland: 4 mg/m³; STEL UK 2 mg/m³

Section 16: Other Information

The information herein is based on information from suppliers believed to be reliable; however, *EPICENTRE* makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. This document is offered solely as a guide for the customer's consideration, investigation and verification. These suggestions do not replace state, municipal and/or insurance requirements. Any use of this information must be determined by the user to be in accordance with applicable Federal, state and local regulations.