



GLEN RESEARCH

SAFETY DATA SHEET Product 60-4110-XX

1. Product and Company Identification

| | |
|----------------------------------|--|
| Product Codes: | 60-4110-XX |
| Product Name: | 2M TEAA |
| Product Use: | For Research Use Only |
| Manufacturer Information | |
| Company Name: | Glen Research Corporation 22825 Davis Drive, #100 Sterling, VA 20164 USA |
| Phone Number: | +1-703-437-6191 |
| Web Site Address: | www.glenresearch.com |
| Email Address: | msds@glenres.com |
| Information in case of emergency | Chemtrec, 800-424-9300; Outside USA +1-703-527-3887 |

2. Hazards Identification

Pictograms: N/A

Signal Words: N/A

GHS Hazard Statements

H303: May be harmful if swallowed.
H313: May be harmful in contact with skin.
H335: May cause respiratory irritation.

GHS Precautionary Statements

P103: Read label before use.
P233: Keep container tightly closed.
P260: Avoid breathing fumes or vapors.
P270: Do not eat, drink or smoke when using this product.
P271: Use in well ventilated area.
P280: Wear protective gloves/ protective clothing/eye protection.

GHS Response Statements

P301+330: IF SWALLOWED: Rinse mouth with water.
P302+350: IF ON SKIN: Gently wash with soap and water.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so - continue rinsing.
P306+360: IF ON CLOTHING: Rinse contaminated clothing and skin immediately with plenty of water before removing clothes.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P362: Take off contaminated clothing and wash before use.

GHS Storage and Disposal Phrases

P501: Dispose of contents / container in a safe way in accordance with all federal, state and local regulations.

Emergency Overview

No data available

Target Organs

No data available

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3. Composition/Information on Ingredients

| Product Name | CAS # | EC-No | Concentration | M.W. | Formula |
|--------------------------|-----------|-----------|---------------|--------------|--|
| Triethylammonium acetate | 5204-74-0 | 225-995-0 | 32% | 161.24 g/mol | C ₈ H ₁₉ NO ₂ |
| Water | 7732-18-5 | 231-791-2 | 68% | 18.02 g/mol | H ₂ O |

4. First Aid Measures

Emergency and First Aid Procedures

If inhaled:

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

In case of skin contact:

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention.

If swallowed:

Rinse mouth with water. Do not induce vomiting. Get medical attention.

If in contact with eyes:

Rinse cautiously with water for several minutes. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention.

Signs and Symptoms of Exposure

No data available.

Treatment

Treat symptomatically and symptomatically.

5. Fire Fighting Measures

Suitable Extinguishing Media

Use a Class A Extinguisher (Dry chemical, carbon dioxide, water or foam).

Special protective equipment for fire fighters

Wear self-contained breathing apparatus (SCBA) for fire fighting if necessary.
Wear protective clothing to prevent contact with skin and eyes.

Flammable Properties and Hazards

No data available.

6. Accidental Release Measures

Personal Precautions

Avoid breathing vapors. Evacuate personnel to safe areas.

Protective equipment

Use personal protective equipment. Avoid contact with skin, eyes, and clothing.

Emergency procedures

Ensure adequate ventilation.

Methods and Material for containment and cleaning up.

Absorb spillage with sand, absorbent pads. Do not let product enter the drain. Wear impermeable gloves, safety glasses and a lab coat when cleaning up the spill. Dispose of absorbent and spillage in compliance with local and state regulations.

7. Handling and Storage

Precautions To Be Taken in Handling

Handle using safe laboratory practices. Avoid all direct contact.

Recommended Storage

Controlled room temperature.

Precautions To Be Taken in Storing

Keep container tightly closed. Store in well-ventilated place.

Other Precautions

Protect from sunlight.

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8. Exposure Controls/Personal Protection

| Product Name | CAS # | OSHA PEL (TWA) | ACGIH TLV | OSHA (STEL) |
|--------------------------|-----------|----------------|-----------|-------------|
| Triethylammonium Acetate | 5204-74-0 | N/A | N/A | N/A |

Engineering Controls (Ventilation etc.)

Local exhaust ventilation is usually sufficient.

Respiratory Equipment (Specify Type)

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Eye Protection

Safety glasses with side shields. Wear splash resistant goggles or face shield if splashes are likely to occur.

Protective Gloves

Impermeable, chemically resistant gloves.

Other Protective Clothing

Lab coat, chemical resistant lab coat, protective chemical suit, based on risk assessment of activities.

Work/Hygienic/Maintenance Practices

Wash hands after handling. Do not eat, drink, or smoke when using this product.

9. Physical and Chemical Properties

| | |
|--|--|
| Physical State: | <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid |
| Appearance: | Liquid, clear |
| Odor: | Sweet odor |
| Odor Threshold: | No data |
| pH: | 7-8 |
| Melting Point: | No data |
| Initial Boiling Point and Boiling Range: | No data |
| Flash Point: | No data |
| Specific Gravity: | 1.007 g/mL |
| Evaporation Rate: | No data |
| Flammability: | Not flammable |
| Explosive Limits: | LEL: No data UEL: No data |
| Vapor Pressure (vs. Air or mm Hg): | No data |
| Vapor Density (vs. Air = 1): | No data |
| Solubility in Water: | Fully soluble |
| Partition Coefficient (n-octanol/water): | Log Pow: No data |
| Auto-ignition Temperature: | No data |
| Decomposition Temperature: | No data |
| Viscosity: | No data |
| Percent Volatile: | No data |

10. Stability and Reactivity

Reactivity

Stable material, hazardous polymerization will not occur.

Chemical Stability: Unstable Stable

Possibility of Hazardous Reactions:

No data

Conditions To Avoid - Instability

No data

Incompatibility - Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

Oxides of carbon and nitrogen, Ammonia

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11. Toxicological Information

Route(s) of Entry:

Inhalation? Yes

Skin? Yes

Eyes? Yes

Ingestion? Yes

Acute Toxicity

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

Product Name

Triethylammonium acetate

CAS #

5204-74-0

NTP

Not listed

IARC

Not listed

OSHA

Not listed

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure (GHS)

No data available

Specific target organ toxicity – repeated exposure (GHS)

No data available

Aspiration hazard

No data available

Medical Conditions Generally Aggravated By Exposure

No data available.

To the best of our knowledge, the toxicological properties of this substance have not been investigated. This product should be handled with the usual care when dealing with chemicals.

12. Ecological Information

Ecotoxicity

No data available.

Persistence and degradability

No data available

Bioaccumulative potential

No data available.

Mobility in soil

No data available

Other adverse effects

No data available

13. Disposal Considerations

Waste Disposal Method

Observe all federal, state and local regulations. For Contaminated Packaging - dispose of in compliance with regulations. Contact a licensed professional waste disposal service for proper disposal. Burn in a chemical incinerator equipped with afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (49CFR)

Not a Hazardous Material

AIR TRANSPORT (ICAO/IATA)

Not a Dangerous Goods

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MARINE TRANSPORT (IMDG/IMO)
Not a Dangerous Goods

15. Regulatory Information

SARA 302 Components

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

SARA 313 Components

Not Listed

SARA 311/312

No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components

| | |
|--------------------------|-----------|
| Water | 7732-18-5 |
| Triethylammonium acetate | 5204-74-0 |

New Jersey Right to Know Components

| | |
|--------------------------|-----------|
| Water | 7732-18-5 |
| Triethylammonium acetate | 5204-74-0 |

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

For all other inquiries about this product contact Glen Research at 1-800-327-GLEN or 1-703-437-6191.

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