

## 1. Product and Company Identification

Product Codes: 60-4210-XX  
Product Name: 2M HAA  
Product Use: For Research Use Only  
Manufacturer Information  
Company Name: Glen Research LLC  
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.

### 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
Hexylammonium acetate	23239-72-7	N/A	32%	161.24 g/mol	C <sub>8</sub> H <sub>19</sub> NO <sub>2</sub>
Water	7732-18-5	231-791-2	68%	18.02 g/mol	H <sub>2</sub> 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)
Hexylammonium Acetate	23239-72-7	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
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**

Hexylammonium acetate

**CAS #**

23239-72-7

**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
Hexylammonium acetate	23239-72-7

**New Jersey Right to Know Components**

Water	7732-18-5
Hexylammonium acetate	23239-72-7

**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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