

# MATERIAL SAFETY DATA SHEET

Siege AMS

## Chemical Product and Company

**Formulator's Name:**

Mid America Distributing LLC  
820 East 10<sup>th</sup> St  
Fairmont, MN 56031

**EMERGENCY TELEPHONE NO:**

DAYS: (507) 235-9459  
24 Hour Emergency HAZMAT Response: (800) 424-9300  
EPA National Response Center: (800) 424-9300

**PRODUCT NAME:**

Siege AMS

**CHEMICAL NAME:**

Fertilizer

**EPA REG. NO.:**

Not Applicable

MSDS Revisions: 02/01/14

## Composition, Information on Ingredients (Note: see product label for specific ingredients)

**Chemical Ingredients:**

**Percentage by Weight:**

**CAS No.**

Proprietary blend of fertilizer, water conditioner and buffer

100.00 1mg/m3 (acids)

## Hazards Identification Summary

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

Corrosive

## First Aid Measures

**No typical symptoms and effects known**

**Eyes:**

Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

**Skin:**

Remove all contaminated clothing. Wash skin, hair, and fingernails thoroughly with soap and water. If irritation persists seek medical attention. Wash clothing before reuse.

**Ingestion:**

If swallowed, give 2 glasses of water to drink. Do not induce vomiting or give anything by mouth to an unconscious person.

**Inhalation:**

Move subject to fresh air, rest in half upright position, and loosen clothing. If not breathing, give artificial respiration. Call for medical attention.

## Fire Fighting Measures

**EXTINGUISHING MEDIA:**

Water in the form of a fog, dry chemical, foam or carbon dioxide extinguishing agents.

**HAZARDOUS COMBUSTION PRODUCTS:**

Nitrous gases may be produced.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Avoid excessive water. Wear self-contained breathing apparatus and full protective clothing. Treat as a liquid chemical type fire where discharges to the environment are to be controlled as quickly as possible.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

May produce oxides of carbon, nitrogen, and toxic phosphorus

## Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Restrict access to the area until completion of clean-up. Provide adequate personal protective equipment and ensure clean-up is conducted by trained personnel only. Ventilate area. Remove any reactive chemicals from the area. Collect as much as possible in a clean container for (preferable) reuse or dispose of according to municipal, provincial or federal regulations.

**CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.**

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## Handling and Storage

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**HANDLING:** Store in a cool dry place away from children, feed, food products, and seed.  
**STORAGE:** Avoid contact with: aluminum, zinc, nickel, copper, & copper alloys. Store in: PVC, PE, stainless steel, bituminized tanks. Keep at temperature not exceeding 40 degrees C. The thermal stability depends on temperature & time of exposure.  
**OTHER PRECAUTIONS:** May be toxic to fish and other aquatic organisms. DO NOT contaminate water supplies by handling & storage of product. Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

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## Exposure Controls / Personal Protection

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**ENGINEERING CONTROLS:** Use local exhaust ventilation to control dust or mist. Supply sufficient replacement air or make up for air removed by exhaust system, process of personnel enclosure & control process conditions.  
**RESPIRATORY PROTECTION:** Not normally required, if vapors or dusts exceed acceptable levels.  
**EYE PROTECTION:** Chemical goggles or shielded safety glasses.  
**SKIN PROTECTION:** Wear protective clothing: long sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical resistant gloves.  
**HAND:** For permanent, (>8 hours), full contact use, 100% nitrile gloves conforming to EN 374. If used under conditions other than given above it is recommended that a supplier of CE approved gloves is contacted. These recommendations are only applicable to the chemical as supplied; if mixed with or dissolved in other substances please contact a supplier of CE approved gloves.

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## Physical and Chemical Properties

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**APPEARANCE AND ODOR:** Liquid, reddish –brown color  
**SPECIFIC GRAVITY (Water = 1):** 1.19 gms/cc  
**VAPOR PRESSURE:** NA  
**PERCENT VOLATILE:** NA  
**BOILING POINT:** NA  
**EVAPORATING POINT:** NA

**Note:** these physical are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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## Stability and Reactivity

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**STABILITY:** Normally stable under recommended storage & handling conditions.  
**CONDITIONS TO AVOID:** Reactions with strong iodizing agents.  
**INCOMPATIBILITY:** (Materials to avoid) Aluminum, nickel, zinc, copper, and copper alloys.  
**Hazardous Decomposition products:** Emits toxic fumes under fire conditions (nitrous gases NO<sub>x</sub>)  
**Hazardous Polymerization:** NAB

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## Toxicological Information

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**Toxicological Information:** No experimental toxicological data of the product as such available.

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## Ecological Information

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**Ecological Information:** Drift or runoff may adversely affect not-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target areas.

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## Disposal Considerations

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Do not reuse container. Plastic jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site by reconditioning, or puncture and dispose of in a sanitary landfill or by procedures approved by local, federal, and state regulations.

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## Transport Information

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**DOT Shipping Description:** Not regulated by DOT by highway.

**Freight Class:** compound, fertilizer

**RID Class:**

**Packing Group:** NA

**Hazard Identification Number:** NONE

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## Regulatory Information

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**NFPA & HMIS Hazard Ratings:** Not regulated.

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