

MATERIAL SAFETY DATA SHEET

Fast Start 7-17-7

Chemical Product and Company

Formulator's Name:

Mid America Distributing LLC
820 East 10th 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:

Fast Start 7-17-7

CHEMICAL NAME:

Inorganic/Organic Chemical Fertilizer Mixture

CHEMICAL FAMILY:

N-P-K Mixed Liquid Blended Fertilizer

EPA REG. NO.:

Not Applicable

MSDS Revisions: 6/28/13

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

Chemical Ingredients:

Percentage by Weight:

CAS No.

| | | |
|--|--------|---------|
| Total Nitrogen (N) | 7.00% | Mixture |
| Available Phosphate (P ₂ O ₅) | 17.00% | Mixture |
| Soluble Potash (K ₂ O) | 7.00% | Mixture |
| Copper (Cu) EDTA | 0.07% | Mixture |
| Iron (Fe) HEDTA | 0.20% | Mixture |
| Zinc (Zn) EDTA | 0.95% | Mixture |

Hazards Identification Summary

CAUTION: KEEP OUT OF REACH OF CHILDREN

This product is a water clear liquid with a blue tint that has a fertilizer-like odor. Primary routes of entry are inhalation, eye contact and skin contact.

First Aid Measures

| | |
|--------------------|---|
| 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. Call a physician to get medical attention. |
| Inhalation: | Move subject to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Get medical attention immediately. |

Fire Fighting Measures

| | |
|--|--|
| FLASH POINT (F/Test Method): | Not Applicable |
| FLAMMABLE LIMITS (LEL & UEL): | Not Applicable |
| EXTINGUISHING MEDIA: | Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog. |
| HAZARDOUS COMBUSTION PRODUCTS: | May include but not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorous, oxides of sulfur, & hydrogen sulfide. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | Dusts or vapors can travel to a sources of ignition and flash back. |

Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing vapors. Absorb and sweep up liquid spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state, and federal regulations for proper disposal.

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

Handling and Storage

HANDLING:

Store in a cool dry place away from children, feed, food products, and seed.

OTHER PRECAUTIONS:

Toxic to fish and other aquatic organisms. Do not contaminate water supplies by handling and storage of product. Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

Exposure Controls / Personal Protection

ENGINEERING CONTROLS:

Not normally required.

RESPIRATORY PROTECTION:

Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.

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.

Physical and Chemical Properties

APPEARANCE AND ODOR: Water clear liquid with a blue tint that has a fertilizer-like odor.

SPECIFIC GRAVITY (Water = 1): 1.407 g/mL

BOILING POINT: Not Established

VAPOR PRESSURE: Not Established

EVAPORATING POINT: Not Established

PERCENT VOLATILE: Not Established

BULK DENSITY: 11.74 lbs/gallon

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.

Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: None Known

INCOMPATIBILITY: None Known

Hazardous Decomposition products: Urea may decompose to release cyanuric acid, ammonia, HCN, and NO.

Hazardous Polymerization: Will not occur.

Toxicological Information

Acute oral LD50 (rat): >5000 mg/kg

Acute Dermal LD50 (rabbit): >5000 mg/kg

Eye Irritation (rabbit): May cause moderate irritation

Skin Irritation (rabbit): May cause slight irritation

Inhalation: May cause respiratory tract irritation

Ingestion: May cause stomach distress, nausea, or vomiting

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.

Disposal Considerations

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.

Transport Information

DOT Shipping Description: Not regulated by DOT by highway.

U.S. Surface Freight Classification: Fertilizing Compounds (Manufactured Fertilizers), NOI; Liquid (NMFC 68140, Sub 5; Class 50)

Regulatory Information

NFPA & HMIS Hazard Ratings:

NFPA

1 Health
0 Flammability
0 Instability

HMIS

0 Least
1 Slight
2 Moderate
3 High
4 Severe
H PPE

SARA Hazard Notification / Reporting

SARA Title III Hazard Category:

Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

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