



Issuing Date May-26-2015

# Safety Data Sheet

OSHA format

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name Nitrate #2 CTA Tablets

### Other means of identification

Product Code(s) NN-3703A

### Recommended use of the chemical and restrictions on use

Recommended Use Laboratory chemicals. Use as a laboratory reagent.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620 USA  
T 410-778-3100  
F 410-778-9748

### Emergency telephone numbers

(CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585


**2. HAZARDS IDENTIFICATION**

Skin sensitization Category 1

**EMERGENCY OVERVIEW**

**WARNING**

**Hazard statements**  
May cause an allergic skin reaction.



**Appearance** Tablet **Physical state** Solid **Odor** Odorless

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Keep out of the reach of children.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 IF SWALLOWED: Drink 1 or 2 glasses of water. Call a physician immediately.

**Storage:**  
Store in a well-ventilated place. Keep cool.

**Disposal:**  
Dispose of contents/container to an approved waste disposal plant.

**Other Hazards**  
Causes mild skin irritation. Very toxic to aquatic life with long lasting effects.

**Unknown Acute Toxicity**  
18.6% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS\***

| Chemical name   | CAS #     | Weight-% |
|-----------------|-----------|----------|
| Zinc Dust*      | 7440-66-6 | 1        |
| Sulfanilic acid | 121-57-3  | 1        |

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5074p, and may be disclosed only in a medical emergency

**4. FIRST AID MEASURES**

**First Aid Measures**

**General advice** Do not get in eyes, on skin, or on clothing.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

|  |  |
|--|--|
| <b>Skin contact</b>                              | Wash off with warm water and soap. If skin irritation persists, call a physician.  |
| <b>Inhalation</b>                                | Remove to fresh air. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                                 | Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.  |
| <b><u>Self-protection of the first aider</u></b> | Use personal protection recommended in Section 8. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |

**5. FIREFIGHTING MEASURES**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Use personal protection recommended in Section 8.   |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |

**Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent dust cloud. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). |
| <b>Methods for cleaning up</b> | After cleaning, flush away traces with water.   |

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

|                 |  |
|-----------------|--|
| <b>Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Do not taste or swallow. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. |
|-----------------|--|

**Conditions for safe storage, including any incompatibilities**

|                              |   |
|------------------------------|---|
| <b>Storage:</b>              | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. |
| <b>Incompatible Products</b> | NITRIC ACID. Strong oxidizing agents.   |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

| Chemical name               | ACGIH TLV | OSHA PEL | NIOSH IDLH      |
|-----------------------------|-----------|----------|-----------------|
| Zinc Dust*<br>7440-66-6     | *-        | *-       | Not Established |
| Sulfanilic acid<br>121-57-3 | *-        | *-       | Not Established |

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      Avoid contact with eyes. If splashes are likely to occur:. Wear safety glasses with side shields (or goggles).

**Skin and body protection**                      No special protective equipment required.

**Respiratory protection**                      None required under normal usage.

**Hygiene Measures**                              Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |        |             |          |
|-----------------------|--------|-------------|----------|
| <b>Physical state</b> | Solid  |             |          |
| <b>Appearance</b>     | Tablet | <b>Odor</b> | Odorless |
| <b>Color</b>          | Gray   |             |          |

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u>     |
|--------------------------------|--------------------------|-----------------------------|
| pH                             | 3                        | (1 tablet in 10mL of water) |
| Melting point / freezing point | No information available |                             |
| Boiling point / boiling range  | No information available |                             |
| Flash point                    | Not Applicable           |                             |
| Evaporation rate               |                          |                             |
| Flammability (solid, gas)      | No information available |                             |
| Flammability Limit in Air      |                          |                             |
| Upper flammability limit:      | No information available |                             |
| Lower flammability limit:      | No information available |                             |
| Vapor pressure                 | No information available |                             |
| Vapor density                  | No information available |                             |
| Specific gravity               | No information available |                             |
| Water solubility               | Soluble in water         |                             |
| Solubility in other solvents   | No information available |                             |
| Partition coefficient          | No information available |                             |
| Autoignition temperature       | No information available |                             |
| Decomposition temperature      | No information available |                             |
| Kinematic viscosity            | No information available |                             |
| Dynamic viscosity              | No information available |                             |
| Explosive properties           | No information available |                             |
| Oxidizing properties           | No information available |                             |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Stability</b>                        | Stable.  |
| <b>Hazardous polymerization</b>         | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>              | Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight. |
| <b>Incompatible materials</b>           | NITRIC ACID. Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b> | Carbon oxides (COx). Nitrogen oxides (NOx). Sulfur oxides (SOx).                                 |

**11. TOXICOLOGICAL INFORMATION**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

Information on likely routes of exposure

**Component identification**

| Chemical name               | ATEmix (oral)         | ATEmix (dermal) | Inhalation LC50 |
|-----------------------------|-----------------------|-----------------|-----------------|
| Zinc Dust*<br>7440-66-6     | Not Established       | Not Established | Not Established |
| Sulfanilic acid<br>121-57-3 | = 12300 mg/kg ( Rat ) | Not Established | Not Established |

Information on toxicological effects

| Chemical name               | ACGIH           | IARC            | NTP             | OSHA            |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
| Zinc Dust*<br>7440-66-6     | Not Established | Not Established | Not Established | Not Established |
| Sulfanilic acid<br>121-57-3 | Not Established | Not Established | Not Established | Not Established |

**ATEmix (oral)** 20,446.00 mg/kg  
**ATEmix (dermal)** 9,442.00 mg/kg

**12. ECOLOGICAL INFORMATION**

Ecotoxicity

Very toxic to aquatic life with long lasting effects

| Chemical name               | Toxicity to Algae   | Toxicity to Fish  | Daphnia Magna (Water Flea)                         |
|-----------------------------|---|---|--|
| Zinc Dust*<br>7440-66-6     | 0.09 - 0.125: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.11 - 0.271: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 0.211 - 0.269: 96 h Pimephales promelas mg/L LC50 semi-static 2.16 - 3.05: 96 h Pimephales promelas mg/L LC50 flow-through 0.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.41: 96 h Oncorhynchus mykiss mg/L LC50 static 0.45: 96 h Cyprinus carpio mg/L LC50 semi-static 0.59: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 2.66: 96 h Pimephales promelas mg/L LC50 static 3.5: 96 h Lepomis macrochirus mg/L LC50 static 30: 96 h Cyprinus carpio mg/L LC50 7.8: 96 h Cyprinus carpio mg/L LC50 static | 0.139 - 0.908: 48 h Daphnia magna mg/L EC50 Static |
| Sulfanilic acid<br>121-57-3 | 91: 72 h Desmodemus subspicatus mg/L EC50   | 77.8 - 129.6: 96 h Pimephales promelas mg/L LC50 static   | 85.66: 48 h Daphnia magna mg/L EC50                |

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

| Chemical name               | Log Pow         |
|-----------------------------|-----------------|
| Zinc Dust*<br>7440-66-6     | Not Established |
| Sulfanilic acid<br>121-57-3 | -0.9            |

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods** Dispose according to federal, state, and local regulations. If permitted, dissolve in large volume of water, neutralize pH with dilute base, rinse to drain with excess water.

**Contaminated packaging** Dispose of waste product or used containers according to local regulations.

| Chemical name               | RCRA            | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-----------------------------|-----------------|--------------------------|------------------------|------------------------|
| Zinc Dust*<br>7440-66-6     | Not Established | -                        | Not Established        | Not Established        |
| Sulfanilic acid<br>121-57-3 | Not Established | -                        | Not Established        | Not Established        |

| Chemical name               | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|-----------------------------|--------------------------------------|------------------------|------------------------|------------------------|
| Zinc Dust*<br>7440-66-6     | Not Established                      | Not Established        | Not Established        | Not Established        |
| Sulfanilic acid<br>121-57-3 | Not Established                      | Not Established        | Not Established        | Not Established        |

| Chemical name               | California Hazardous Waste Status |
|-----------------------------|-----------------------------------|
| Zinc Dust*<br>7440-66-6     | Ignitable powder Toxic            |
| Sulfanilic acid<br>121-57-3 | *-                                |

**14. TRANSPORT INFORMATION**

- DOT** Not regulated
- TDG** Not regulated
- MEX** Not regulated
- ICAO** Not regulated
- IATA** Not regulated
- IMDG/IMO** Not regulated
- RID** Not regulated
- ADR** Not regulated
- ADN** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

- TSCA** Complies
- DSL/NDSL** Complies
- EINECS/ELINCS** Does not comply
- ENCS** Does not comply
- IECSC** Does not comply
- KECL** Does not comply
- PICCS** Does not comply

AICS Does not comply

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name               | SARA 313 - Threshold Values % |
|-----------------------------|-------------------------------|
| Zinc Dust*<br>7440-66-6     | 1.0                           |
| Sulfanilic acid<br>121-57-3 | Not Established               |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name               | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Zinc Dust*<br>7440-66-6     | Not Established             | X                      | X                         | Not Established            |
| Sulfanilic acid<br>121-57-3 | Not Established             | Not Established        | Not Established           | Not Established            |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name               | Hazardous Substances RQs | CERCLA/SARA RQ  | RQ  |
|-----------------------------|--------------------------|-----------------|---|
| Zinc Dust*<br>7440-66-6     | 1000 lb                  | Not Established | RQ 454 kg final RQ<br>RQ 1000 lb final RQ |
| Sulfanilic acid<br>121-57-3 | *-                       | Not Established | -   |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

| Chemical name               | California Proposition 65 |
|-----------------------------|---------------------------|
| Zinc Dust*<br>7440-66-6     | Not Established           |
| Sulfanilic acid<br>121-57-3 | Not Established           |

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
|               |            |               |              |

|                             |                 |                 |                 |
|-----------------------------|-----------------|-----------------|-----------------|
| Zinc Dust*<br>7440-66-6     | X               | X               | X               |
| Sulfanilic acid<br>121-57-3 | Not Established | Not Established | Not Established |

**CPSC (Consumer Product Safety Commission) - Specially Regulated Substances**

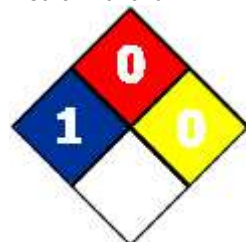
**16. OTHER INFORMATION**

**NFPA**                      Health hazard 1                      Flammability 0                      Instability 0                      Physical and Chemical Hazards N/A

Health hazard 1

Flammability 0

Stability 0



|               |          |
|---------------|----------|
| Health Hazard | <b>1</b> |
| Fire Hazard   | <b>0</b> |
| Reactivity    | <b>0</b> |

**Prepared by**  
**Issuing Date**  
**Disclaimer**

Regulatory Affairs Department  
May-26-2015

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**