

**SAFETY DATA SHEET****SDS**

I – PRODUCT IDENTIFICATION

TRADE NAME (as labeled) **25-15-10 STD**

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DATE PREPARED/REVISED January 2, 2015

NAME OF PREPARER H. Langheim

II – HAZARD IDENTIFICATION**EMERGENCY OVERVIEW****APPEARANCE** – Fine blue crystals & powder**ODOR** - None**POTENTIAL HEALTH EFFECTS****EYES** - **H319** May cause redness and slight irritation.**SKIN** - **H317** Repeated contact may cause slight irritation.**SWALLOWED** – **H336** Possible abdominal pain, diarrhea, diuresis, and nausea.**OSHA/GHS STATUS** – Not considered hazardous by the OSHA Hazard Communication Standard**SIGNAL WORD** – No signal word**HAZARD STATEMENTS** – Unknown significant effects or critical hazards.**PRECAUTIONARY STATEMENTS** –

P102 – KEEP OUT OF REACH OF CHILDREN

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P302 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P310 IF IN EYES: Rinse with water for 15 minutes. Remove contact lenses. Hold eye lids apart while flushing.

P332 + P313 If skin irritation occurs: Get medical attention.

P362 Take off contaminated clothing and wash before reuse.

P410 PROTECT FROM SUNLIGHT.

III – COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS No. | % |
|--------------------|------------|--------------|
| Ammonium Nitrate | 6484-52-2 | Trade secret |
| Ammonium Sulfate | 7783-20-2 | Trade secret |
| Urea | 57-13-6 | Trade secret |
| Potassium Nitrate | 7757-79-1 | Trade secret |
| Potassium Sulfate | 7778-80-5 | Trade secret |
| Magnesium Sulfate | 7487-88-9 | Trade secret |
| Boric Acid | 10043-35-3 | Trade secret |
| Iron EDTA | 15708-41-5 | Trade secret |
| Zinc EDTA | 14025-21-9 | Trade secret |
| Copper EDTA | 14025-15-1 | Trade secret |
| Manganese EDTA | 15375-84-5 | Trade secret |
| Ammonium Molybdate | 12027-67-7 | Trade secret |

IV – FIRST AID MEASURES

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.

EYE CONTACT – Wash thoroughly with water for at least 15 minutes. Remove contact lenses. Hold eyelids apart during flushing. Send patient immediately to physician if symptoms occur.

SKIN CONTACT – Wipe excess material with dry cloth, removing contaminated clothing and shoes with large amounts of water and soap for at least 15 minutes. Send to physician if symptoms occur.

INHALED – Remove from exposure to fresh air. Get medical attention if symptoms occur.

SWALLOWED – Rinse mouth. Drink 2-3 glasses of water and seek medical assistance. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

V – FIRE-FIGHTING MEASURES

SPECIAL FIREFIGHTING PROCEDURE – Must wear MSHA/NIOSH approved self-contained breathing Apparatus. Use abundant amount of water in early stages of fire.

UNUSUAL FIRE & EXPLOSION HAZARD – When large quantities are involved in fire, solids may fuse or melt.

FLASH POINT – N/A

FLAMMABLE LIMITS – N/A

AUTOIGNITION TEMPERATURE – N/A

EXPLOSION POTENTIAL – Dust cloud may be explosive.

HAZARDOUS COMBUSTION PRODUCTS – Combustion can produce toxic fumes and irritating gases.

SUITABLE FIREFIGHTING MEDIA – Water fog, fine sand, carbon dioxide, dry chemical, chemical foam.

VI – ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE PROCEDURE – Use broom or dry vacuum to collect material for proper disposal without raising dust. Prevent entry into waterways, sewers, basements or confined areas. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

VII – HANDLING AND STORAGE

To maintain product quality, do not store in heat or direct sunlight. Use good housekeeping practices such as washing hands with soap after handling. Keep out of reach of children and pets. Do not reuse empty containers.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION & ENGINEERING CONTROLS – Local exhaust.

RESPIRATORY PROTECTION – Where dust is generated by the process, MSHA/NIOSH approved respirator is advised in the absence of proper environmental control.

EYE PROTECTION – Safety glasses or face shield where there is a potential eye contact.

SKIN PROTECTION – Wear protective work gown, rubber gloves to prevent irritation.

IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE – Fine blue crystals & powder

ODOR – None

BOILING POINT OR RANGE °F – N/A

MELTING POINT OR RANGE °F – N/A

FLAMMABILITY – Non-flammable

EXPLOSIVE PROPERTIES – Non-explosive

pH of 1% SOLUTION – 5.75 – 6

SPECIFIC GRAVITY – 45 – 50 lbs. / ft.³

SOLUBILITY IN WATER – Highly soluble (> 80%)

X – STABILITY AND REACTIVITY

STABILITY – Stable under normal conditions of use

CONDITIONS TO AVOID – Damp or wet conditions, extreme heat.

INCOMPATIBILITY – Corrosive to Aluminum, Steel, Brass, Copper.

HAZARDOUS DECOMPOSITION PRODUCTS – Decomposition may produce toxic fumes of Nitrogen oxides.

HAZARDOUS POLYMERIZATION – Will not occur

XI – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY – Health injuries are not known or expected under normal use

SKIN IRRITATION – May cause slight temporary irritation

EYE IRRITATION – May cause slight temporary irritation

SENSITIZATION – None

CHRONIC TOXICITY

REPRODUCTIVE EFFECTS – None known

CARCINOGENICITY – This products does not contain any substances that are considered carcinogens by OSHA, NTP, IARC or ACGIH

XII – ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY – Inherently biodegradable, non-persistent.

AQUATIC TOXICITY – Might be beneficial to plant life

ADDITIONAL ECOLOGICAL INFO – Do not use directly in lakes, ponds and rivers. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

XIII – DISPOSAL CONSIDERATIONS

Dispose of within current local and state regulations. No special method required.

XIV – TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION – Not regulated by DOT

XV – REGULATORY INFORMATION

TSCA STATUS – Not determined

OSHA STATUS – Not listed as hazardous

CERCLA – None

SARA 313 – No chemical

SARA 302 – None

CALIFORNIA PROPOSITION 65 – Not listed

RCRA – No

XVI – OTHER INFORMATION**HAZARDOUS MATERIAL INFORMATION SYSTEM (USA)****NFPA**

| | |
|-------------------------|----------|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Physical hazards | 0 |

HMIS

| | |
|-------------------------|----------|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Physical hazards | 0 |

Hazard Rating: 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

Disclaimer

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