



# 15-0-15 SOLUBLE FERTILIZER MATERIAL SAFETY DATA SHEET

## Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.  
P.O. Box 218, Palmetto, Fla. 34220

Phone: 1-941-722-3285  
Chemtrec: 1-800-424-9300

## I NOMENCLATURE

**Product Name:** 15-0-15 SOLUBLE FERTILIZER  
**Chemical Name:** Not applicable (mixture of fertilizer materials)  
**Chemical Family:** Mixture of inorganic salts

## II INGREDIENTS

|                                       | CAS #             | OSHA                                 | DOT Hazard               |
|---------------------------------------|-------------------|--------------------------------------|--------------------------|
| Potassium nitrate (KNO <sub>3</sub> ) | 7757-79-1         | None                                 | Oxidizer                 |
| Ammonium nitrate                      | 6484-52-2         | None                                 | Oxidizer                 |
| Calcium Nitrate                       | 10124-37-5        | None                                 | Oxidizer                 |
| Iron EDTA                             | 15708-41-5        | TWA (Fe) 1 mg/M                      | Corrosive to Aluminum    |
| Manganese disodium EDTA               | 15375-84-5        | Ceiling (Mn) 5 mg/M <sup>3</sup>     | " "                      |
| Zinc disodium EDTA                    | 14025-21-9        | None                                 | " "                      |
| Copper disodium EDTA                  | 14025-15-1        | TWA Dust (Cu) 1 mg/M <sup>3</sup>    | " "                      |
| Sodium molybdate                      | 7631-95-0         | TWA (Mo) 5 mg/M <sup>3</sup>         | None                     |
| Disodium Octaborate Tetrahydrate      | 12008-41-2        | None                                 | None                     |
| Dust exposure limits PNOR             | OSHA (respirable) | TWA 5 mg/M <sup>3</sup> (total dust) | TWA 15 mg/M <sup>3</sup> |
|                                       | ACIGH             | 10 mg/M <sup>3</sup>                 |                          |

## III PHYSICAL PROPERTIES (ND=Not determined, NA=Not applicable)

**Boiling Point:** NA  
**Flash Point:** Potassium nitrate above 300°F  
**Vapor Pressure:** (mmHg) NA  
**Vapor Density:** (air=1) NA  
**Solubility in Water:** Soluble  
**Appearance/Odor:** Light blue, fine crystalline powder, practically no odor

**Specific gravity:** (H<sub>2</sub>O=1) 1.77  
**Percent Volatile:** (by volume) NA  
**Evaporation Rate:** NA  
**Reactivity in Water:** Acidic

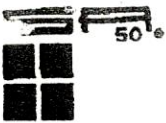
## IV FIRE AND EXPLOSION DATA

**Flash Point:** (Potassium nitrate above 300°F)  
**Extinguishing Media:** Flood with water.  
**Special Fire Fighting Procedures:** Personnel should remain upwind. Firemen should wear self contained breathing apparatus (air-pac) and full protective clothing. Use water spray to cool containers.  
**Unusual Fire Explosion Hazards:** Under fire conditions, toxic fumes may be evolved. Do not breathe smoke or vapors generated. Keep dust to a minimum. Decomposition at elevated temperatures may cause vigerous reaction and explosion.

**Flammable Limits:** NA

## V FIRST AID

**First Aid for EYE Exposure:** Flush eyes for 15 minutes with plenty of water, lifting upper and lower lids occasionally while flushing. Get medical attention if irritation occurs.  
**First Aid for SKIN Exposure:** Remove contaminated clothing and wash all exposed skin surfaces thoroughly with soap and water. If irritation develops, see a physician.  
**FIRST AID if SWALLOWED:** If person is conscious give large amount of water. Induce vomiting. Get immediate medical attention.  
**First Aid for INHALATION:** Remove to fresh air. If symptoms occur, consult physician immediately.  
**SYMPTOMS of OVEREXPOSURE:** May irritate eyes, nose, throat and skin. Ingestion of large quantities can cause cyanosis, decrease in blood pressure, rapid breathing, abdominal pain, weakness and nitrate poisoning.



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## VI REACTIVITY

**Stability:** Stable under normal use conditions. Conditions to avoid: Heat and ignition sources.

**Materials to Avoid:** Materials that are readily oxidized, sulfur, carbon, organic materials, particularly oils, and other flammable or combustible materials.

**Hazardous Decomposition Products:** Decomposes under fire conditions to release ammonia, oxides of nitrogen, phosphorous and sulfur, hydrogen cyanide and biuret.

**Hazardous polymerization:** Will not occur.

## VII SPILL OR LEAK PROTECTION

**Steps To Be Taken If Spilled:** Sweep up and shovel into secure labeled container for disposal.

**Waste Disposal:** Residue can be used as fertilizer, otherwise dispose of according to local, State and Federal regulations.

## VIII SPECIAL PROTECTION

**Respiratory: Type/Conditions:** Where adequate ventilation is not available, or where TLV would be exceeded, wear a NIOSH approved dust respirator.

**Ventilation:** Use local exhaust ventilation to minimize dust exposure.

**Gloves:** Clean impervious gloves to minimize exposure.

**Eye Protection:** Safety glasses with side shields or chemical goggles.

**Other protective equipment:** Clean, freshly laundered, body covering work clothing daily. Washing facility and eyewash station should be available.

## IX SPECIAL PRECAUTIONS

**Handling Precautions:** Avoid personal contact with product. When applied as a spray avoid breathing spray mist. If used in combination with pesticides, follow all safety precautions for the pesticides used. Wash thoroughly after use. Do not wear contaminated clothing. Do not damage containers while handling. Clean up spills immediately.

**Storing Precautions:** Do not place leaking or damaged containers into storage. Store in cool, dry, well ventilated area away from ignition sources. Do not stack within 2 1/2 ft of walls or within 3 ft of ceiling. Leave air space between stacks. Do not store with indicated "Materials to avoid" (see section VI). Do not store on oil contaminated floors. Avoid storage on wood floors.

**Other Precautions:** KEEP OUT OF REACH OF CHILDREN. Do not contaminate any body of water by cleaning equipment or disposal of waste.

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.