

# MATERIAL SAFETY DATA SHEET

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EMERGENCY (24-HOUR) INFORMATION CALL CHEMTREC (800)424-9300  
EPA NATIONAL RESPONSE CENTER (800)424-8802

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## SECTION I: IDENTIFICATION OF PRODUCT

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**Product Name:** Agri-Trend Soluble 20-20-20  
**Product Class:** Dry fertilizer mixture, water soluble

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## SECTION II: HAZARDOUS INGREDIENTS

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**CHEMICAL**

**CAS NO.**

None

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## SECTION III: EMERGENCY/HAZARDS OVERVIEW

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Fine pale blue odorless crystal. No immediate health hazard except nuisance dust. Noncombustible but thermal degradation may produce irritating/toxic fumes of ammonia or nitrogen oxides. Stay upwind of smoke. Not D.O.T. regulated.

**HEALTH:** 1    **REACTIVITY:** 0    **FLAMMABILITY:** 0    **ENVIRONMENT:** 1  
( 0=Insignificant   1=Slight   2=Moderate   3=High   4=Extreme )

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## SECTION IV: PHYSICAL AND CHEMICAL DATA

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**Boiling Point:** Not Pertinent

**% Volatile by Weight:** Not Pertinent

**Vapor Density:** Not Pertinent

**Solubility In Water:** Soluble

**Density:** 25lbs

**Appearance:** Fine, pale blue crystals

**Odor:** None

**Octanol/Water Partition Coefficient:** Not Available

**Saturated Vapor Concentration:** Not Pertinent

**Freezing Point:** Not Pertinent

**pH:** Not Available

**Vapor Pressure (mm Hg):** Not Pertinent

**Evaporation Rate:** Not Pertinent

**Viscosity:** Not Pertinent

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## SECTION V: FIRE AND EXPLOSION DATA

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**Flash Point:** Noncombustible  
**LEL Flammable Limits:** Not Pertinent  
**Autoignition Temperature:** Not Pertinent  
**Properties that Initiate/Contribute to Intensity of Fire:** None  
**Potential for Release of Flammable Vapors:** None  
**Potential for Dust Explosion:** Not Known  
**Reactions that Release Flammable Gases or Vapors:** Not Known  
**Unusual Fire & Explosion Hazards:** None  
**Extinguishing Media:** Not Pertinent  
**Known Hazardous Products of Combustion:** Thermal degradation may produce irritating/toxic fumes of ammonia or nitrogen oxides.  
**Special Firefighting Procedures:** Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.

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## SECTION VI: REACTIVITY DATA

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**Stability:** Stable  
**Conditions To Avoid:** None Known  
**Incompatibility:** None Known  
**Hazardous Decomposition Products:** During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, PO<sub>x</sub>, CN.  
**Hazardous Polymerization:** Will not occur

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## SECTION VII: HEALTH HAZARD DATA

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### EFFECTS OF OVEREXPOSURE / EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Wear chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. If contact occurs, flush eyes immediately with water for at least 15 minutes. Call a physician if irritation persists.

**Skin:** Wear impervious gloves and clothes. If contact occurs, wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Call a physician if skin becomes irritated.

**Ingestion:** If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center Immediately.

**Respiratory Protection:** Not normally needed but recommended NIOSH- approved dust/mist respirator (3M #8500) for nontoxic nuisance dust. If use generates an aerosol mist or respiratory irritation, se NIOSH- approved dust/mist respirator (3M #8710)

**Inhalation:** If dust causes irritation or distress, remove to fresh air, blow nose to remove dust and call a physician.

**Ventilation:** Recommended but no TLV established.

### ACUTE EFFECTS

**Eyes:** Mild irritant. May cause redness.

**Skin:** Mild irritant, especially from prolonged exposure. May cause redness.

**Ingestion:** May cause stomach cramps and/or nausea.

**Inhalation:** Inhalation of nuisance dust may cause coughing, sneezing and/or mild irritation of nasal mucous membranes.

### SUBCHRONIC EFFECTS

None Known

### CHRONIC EFFECTS

None Known

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## SECTION VIII: SPILL, LEAK, AND DISPOSAL PROCEDURES

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Contain all spills and leaks to prevent discharge into the environment. If spilled, sweep up and use according to labeling or package for disposal. If chemical additions or alterations were made, consult a local waste regulator for proper disposal.

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## SECTION IX: HANDLING AND STORAGE

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**Storage:** Store in a cool, dry place. Do not store near food or feeds. Do not stack pallets more than two (2) high.

**Transfer Equipment:** Transfer solutions of product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

**Work/Hygienic Practices:** Keep out of reach of children. Harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothing. Avoid breathing dusts or spray mist. Wash thoroughly with water after handling.

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## SECTION X: D.O.T, REGULATORY, AND GENERAL INFORMATION

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**D.O.T. Shipping Description:** Not D.O.T. Regulated

**Other Shipping Information:** Fertilizing Compounds (Manufactured), dry. (NMFC Item 68140 Sub 6, LTL Class 60)

**CERCLA:** None

**SARA TITLE III, Section 313 Toxic Chemicals:** None

**PROPOSITION 65 (CA):** Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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