

# MATERIAL SAFETY DATA SHEET



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ANALYSIS:

10 - 45 - 10

DATE:

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## SECTION I. MATERIAL IDENTIFICATION

**Product Name:** 10 - 45 - 10  
**Description:** Water Soluble Nutrients Plus Trace Minerals

## SECTION II. INGREDIENTS AND HAZARDS

|                               | OSHA PEL        | PERCENT   |
|-------------------------------|-----------------|-----------|
| Urea                          | Cas# 57-13-6    | About 30% |
| Sodium Hydroxide              | Cas# 1310-73-2  | Trace     |
| Patent Blue Dye               | Cas# 3844-45-9  | Trace     |
| Petro Ag Powder               | Cas# 26264-58-4 | Trace     |
| Ammonium Phosphate Mono Basic | Cas# 7722-78-1  | About 30% |

## SECTION III. PHYSICAL DATA

|                                 |      |   |                     |
|---------------------------------|------|---|---------------------|
| <b>Boiling Point:</b>           | N/A  | <b>Appearance &amp; Color:</b>                | Light Blue Crystals |
| <b>Vapor pressure (mm Hg):</b>  | N/A  | <b>Evaporation Rate (Butyl Acetate = 1):</b>  | N/A                 |
| <b>Vapor density (Air = 1):</b> | N/A  | <b>Specific Gravity (H<sub>2</sub>O = 1):</b> | N/A                 |
| <b>Water solubility:</b>        | 100% | <b>Melting Point:</b>                         | Above 200%          |

## SECTION IV. FIRE AND EXPLOSION DATA

|                             |  |  |   |
|-----------------------------|--|--|---|
| <b>Flash Point:</b>         | N/A  | <b>Special fire fighting procedures:</b>   | Wear self-contained breathing apparatus & full protective clothing.   |
| <b>Flammability in Air:</b> | N/A  | <b>Unusual fire and explosion hazards:</b> | Oxidizing agent-Nitrogen oxides-Amonia-Carbon Monozide-Ammonium cyanate -and carbon dioxide may be produced during decomposition. |
| <b>Extinguishing media:</b> | Water  | <b>Hazardous Polymerization:</b>           | None  |
| <b>Auto Ignition Temp:</b>  | N/A  | <b>Hazardous Decomposition:</b>            | None  |
| <b>LEL:</b>                 | N/A  |  |   |
| <b>UEL:</b>                 | N/A  |  |   |
| <b>Conditions to Avoid:</b> | Mixing with reducing materials at high temperatures. |  |   |

## SECTION V. HEALTH HAZARD INFORMATION

**Effects of overexposure:** Prolonged exposure to dust could irritate lungs.

**FIRST AID: Ingestion:** Consult physician immediately if large amounts have been ingested. **Inhalation:** Generally not considered a hazard. Provide fresh air. **Skin Contact:** Wash thoroughly with mild soap and water. If irritation persists, get medical attention (should only affect if allergic). **Eye Contact:** Flush immediately with water. If irritation persists, consult Physician.

## SPECIAL PROCEDURES / PRECAUTIONS

**Respiratory Protection:** For prolonged exposure to nuisance dust use NIOSH approved respiratory equipment. **Eye Protection:** Keep out of eyes, safety goggles are recommended. **Skin Protection:** Wear rubber gloves. Keep out of sores or wounds. **Spill or Leak Procedures:** Clean up spill with soapy water. No special restrictions on disposal of wash water. Prevent spills from reaching water way or vegetation. Use good industrial hygiene practices. Store in cool, dry area. This material is not considered a hazardous material under RCRA and may be disposed of in landfills or sanitary sewers.