

# MicroSorb® Nutrient Boost

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## **Section 1 Product – MicroSorb® Nutrient Boost**

Applications Distributor – MicroSorb Environmental Products, Inc. 111 Summer Street, Scituate, MA 02025 USA. Tel: 781-378-2698. Emergency tel: 508-878-7859

**Recommended Use** – Blended mix of nutrient additive for enhanced microbial activity. Add to areas where few natural nutrients are available or low oxygen environments like contaminated subsurface soils.

## **Section 2 - Physical and Chemical Characteristics**

Monoammonium Phosphate 11.5% Ammonium Nitrate 11.5%  
Potassium Sulfate 75.0% Various Micronutrients 2.0%

## **Section 3 - - Physical Hazards & Data**

Boiling Point - not applicable Vapor Pressure - not applicable  
Specific Gravity - not applicable Solubility in Water - completely soluble  
Appearance & Odor - white/gray, slight petroleum odor

## **Section 4 - Fire and Explosive Hazard Data**

Flash Point - nonflammable Flammable Limit Level - non applicable  
Extinguishing Media - Water  
Special Fire Fighting Procedures - Fire persons must wear self-contained breathing apparatus. Heat can cause emission of highly toxic fumes. Heat can cause the nitrate present to act as an oxidizing agent which can support combustion or cause detonation of other products. Persons should be evacuated from down wind areas.  
Unusual Fire & Explosion - nitrates may decompose violently when mixed with ammonium salts.

## **Section 5 - Health & First Aid Data**

Threshold Limit Values - not applicable - non-toxic material  
Effects Over Exposure - not under normal usage and conditions  
Skin - If irritation occurs, wash with water and mild detergent. Remove contaminated clothing and wash before re-use. If irritation persists, seek medical attention.  
Eyes - If eye irritation occurs, flush with flowing water for at least 30 minutes. Seek medical attention if irritation persists.  
Inhalation - If breathing difficulty occurs due to dust inhalation, remove to fresh air. If discomfort continues, seek medical attention.  
Ingestion - If person is conscious, give large amounts of water and induce vomiting. Seek medical attention. Oral ingestion of large amounts may cause nitrate poisoning resulting in dizziness, abdominal cramps, vomiting, bleeding diarrhea, weakness, convulsions and collapse.

## **Section 6 - Reactivity Data**

Stability - yes  
Incompatible Substance - corrosive to metals  
Conditions to avoid if unstable-fire conditions and nitrates. Hazardous polymerization-will not occur.  
Conditions to avoid uncontrolled polymerization - not applicable  
Hazardous decomposition of products - highly toxic fumes of POX and oxides of nitrogen.

## **Section 7 - Spill & Disposal Procedures**

Steps to be taken to handle spill or releases - Pick up or sweep up material and store in plastic bags away from combustibles.  
Waste disposal procedures - Dispose of in an approved landfill in accordance with state, federal and local regulations.

## **Section 8 - Special Protection**

Respiratory Protection - in areas of concentration-mask & eye protection is recommended  
Ventilation Required - normal  
Local Exhaust Required - standard precaution  
Protective Clothing/Equipment - none  
Work Hygienic/Practices - gloves