

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
for specific requirements.

U.S Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)  
**Bonide Triple Superphosphate**

**ID # 969**

Date: February 19, 2008

## Section I

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

(800) 424-9300  
(315) 736-8231

## Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Triple Superphosphate (65996-95-4)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		

## Section III - Physical/Chemical Ingredients

BOILING POINT: NA	ph: 1% slurry - 3.1-3.2
SPECIFIC GRAVITY: NA	BULK DENSITY: loose – 70 lbs/cu.ft.
VAPOR PRESSURE: NA	VAPOR DENSITY: NA
SOLUBILITY IN WATER: appreciable	EVAPORATION RATE: NA
APPEARANCE AND ODOR: Gray to brown granules, typical fertilizer odor.	

## Section IV - Fire and Explosion Data

FLASHPOINT: Not flammable                      FLAMMABLE LIMITS: NA  
EXTINGUISHING MEDIA: Use water or other agent suitable for surrounding fire. This product is a non-flammable inorganic salt. It will not support combustion. When subjected to temperatures above 1800 Degrees F, as in a fire, it may release small amounts of toxic and/or irritation fluorides, sulfur oxides, and phosphorus oxides.  
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus.

## Section V - Reactivity Data

STABILITY: Triple Superphosphate is stable under all normal conditions.  
INCOMPATIBILITY: None                              HAZARDOUS POLYMERIZATION – Will not occur.

## Section VI - Personal Protection Information

RESPIRATORY PROTECTION: If dust concentrations exceed recommended exposure limit, use NIOSH-approved dust respirators, with approval TC-21C-xxx, until feasible engineering controls are completed.  
EYE PROTECTION: If high dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes. SKIN PROTECTION: No protection normally required. If irritation occurs, long sleeves and impervious gloves should be worn. VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than the recommended Permissible Exposure Limit.

## Section VI - Health Hazard Information

OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH TLV – None established. We suggest the OSHA nuisance dust limit of 15 mg/m<sup>3</sup> or the ACGIH TLV of 10 mg/m<sup>3</sup> of air for an eight-hour time-weighted-average. Triple Superphosphate is not considered to be a cancer-causing material by OSHA, NIOSH, or IARC.  
ROUTES OF ENTRY – Lungs (breathing), skin. Ingestion (swallowing) of large amounts is unlikely.  
EFFECTS OF OVEREXPOSURE – Short Term: May cause slight irritation of the skin, eyes, nose, or throat due to the small amount of free phosphoric acid contained. Long Term: No information found. As with any inorganic dust, long-term inhalation of dust concentrations higher than recommended Permissible Exposure Limits may cause delayed lung injury.

## **Section VII - Precautions for Safe Handling/Use**

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**HANDLING AND STORAGE:** Store in a cool, dry place away from children, domestic animals, food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills, which occur during handling and storage.

**OTHER PRECAUTIONS:** Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

## **Section VIII - Environmental and Disposal Information**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – Triple Superphosphate is used as a plant food. However, large spills can kill vegetation. Prevent large quantities from entering waterways. If uncontaminated, sweep up or collect, and reuse as product. If contaminated with other materials, collect in suitable containers.

**WASTE DISPOSAL METHOD** – Uncontaminated material can generally be disposed of by burial in an approved land disposal facility, in accordance with applicable federal, state, and local regulations. Depending upon type and extent of contamination, if any, other disposal methods may be required by environmental regulatory agencies.

**NOTICE:** This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

**KEEP OUT OF REACH OF CHILDREN**

### **ABBREVIATION KEY**

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N/A: NOT AVAILABLE OR APPLICABLE      N/E: NOT ESTABLISHED      ND: Not Determined  
TLV: THRESHOLD LIMIT VALUE      TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY  
STEL: SHORT TERM EXPOSURE LIMIT      D.O.T.: DEPARTMENT OF TRANSPORTATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.