

Nitrate of Soda 15-0-0

GUARANTEED ANALYSIS:

Total Nitrogen (N) 15.00%

15.00% Nitrate Nitrogen

Plant Nutrients Derived From: Nitrate of Soda
F1290

Bonide's Nitrate of Soda reacts quickly in the soil to rapidly provide plants with Nitrogen. Nitrogen, one of the three major plant nutrients, stimulates early spring growth, deep green color, and stem and leaf growth. Deficiencies of Nitrogen can result in stunted plant growth.

How to read a fertilizer label.

Fertilizers are rated by three numbers, such as 15-0-0. The numbers tell what percentage of primary nutrients the fertilizer contains. The first number is the percentage of Nitrogen; the second number is the percentage Available Phosphate (P_2O_5); the third number is the percentage of soluble Potash (K_2O).

When purchasing fertilizer, keep in mind that typically the first number, or Nitrogen, emphasizes a green color and denser foliage. The middle number, Available Phosphate, emphasizes the development of flowers, fruits or vegetables. And the third number, Soluble Potash, emphasizes overall plant hardiness and its ability to withstand stress.

DIRECTIONS FOR USE

Apply Only as Directed. Wash off any plant food which accidentally gets on foliage.

General Gardening: Thoroughly incorporate into the soil, to a depth of 4 to 5 inches, at the rate of 1.4 lb. (2 1/2 cups) per 100 square feet. Water thoroughly after application. Do not allow direct contact with plant foliage. For best results, apply Bonide's Nitrate of Soda in the spring time after the last frost. For individual plants, use 2 tablespoons per plant and incorporate into the soil around the furthest branches. Apply every 6-8 weeks throughout the growing season.

Lawns: Apply 2 lbs. (3 cups) of Bonide's Nitrate of Soda per 100 square feet. Water thoroughly after application. Apply every 6-8 weeks throughout the growing season.

This chart will give you a general application rate when used with a soil test. For more accurate application rates for your area, contact your state extension service.

Fertility Level	10 sq. ft.	100 sq. ft.
Much Below Normal	4.5 oz. (12 Tb.)	2.8 lb. (4 1/8 cups)
Slightly Below Normal	2.3 oz. (6 Tb.)	1.4 lb. (2 1/16 cups)
Normal Level (Maintenance)	1 oz. (3 Tb.)	.7 lb. (1 cup)

Information concerning the raw materials composing this product can be obtained by writing to the Guarantor listed on this container, and referring to the batch number found on this container.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

FOLLOW DIRECTIONS CAREFULLY.

Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product.

Store in a dry place.

MANUFACTURER'S STATEMENT:

This product conforms to the Guaranteed Analysis on the label. Manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed under normal use conditions. This product is sold as is. Manufacturer makes no warranties, express or implied. In no event shall manufacturer be liable for special, indirect, incidental or consequential damages of any kind.

CAUTION: Keep this product out of the reach of children. Keep from contact with eyes, cuts or sores. Wash hands after use. Not for human consumption.

NOTE: This product is sold by weight, not volume. Settling may occur during shipment.

Manufactured/Guaranteed By:
Bonide Products Inc.
6301 Sutliff Road
Oriskany, N.Y. 13424

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 Nitrate of Soda

ID # 915

Date: March 10, 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)
Sodium, Nitrate (CAS# 7631-99-4)	NE	NE		100

Section III - Physical/Chemical Ingredients

BOILING POINT (°F): 380 degrees C (decomposes)	SPECIFIC GRAVITY (H ₂ O=1): 2.26
VAPOR PRESSURE (mm Hg): Does not apply	PERCENT VOLATILE BY VOLUME (%): ND
VAPOR DENSITY (AIR=1): ND	EVAPORATION RATE (ethyl ether=1): ND
SOLUBILITY IN WATER: Appreciable	APPEARANCE AND ODOR: White Prills (pellets)
REACTIVITY IN WATER: Will not evolve flammable or toxic gases	

Section IV - Fire and Explosion Data

FLASH POINT (°F): Does not apply FLAMMABLE LIMITS IN AIR: Lower: ND Upper: ND
EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray, or foam
AUTO IGNITION TEMPERATURE: Not determined
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is an oxidizer. Oxidizers decompose, especially when heated, to yield oxygen, which increases the burning rate of combustible matter. Contact with easily oxidizable, organic, or other combustible materials may result in ignition, violent combustion, or explosion.
SPECIAL FIRE FIGHTING PROCEDURES: Remove containers from fire, if possible without risk. Cool containers exposed to flames with water. Utilized self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Yields toxic gases when heated.

Section V - Health Hazard Information

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS: Inhalation, skin and eye contact, ingestion
SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE OVEREXPOSURE: Exposure may result in irritation of the skin and/or mucous membranes. Ingestion of large amounts causes violent gastroenteritis. Symptoms of exposure include dizziness, abdominal cramps, vomiting, headache, mental impairment, cyanosis.
CHRONIC OVEREXPOSURE: Prolonged or repeated exposure may cause anemia, methemoglobinemia, weakness, general depression, headache, mental impairment, and nephritis. A constant oral intake of nitrate containing foods or water could lead to formation of carcinogen N-Nitroso compounds.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Disorders of the respiratory system, and skin

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN :None

NTP: YES NO IARC: YES NO OSHA: YES NO

OTHER EXPOSURE LIMITS: TLV (nuisance dusts)=10 mg/m³; PEL (nuisance dusts)=15 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. EYE OR SKIN CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

Section VI - Reactivity Data

STABILITY: Unstable Stable

CONDITIONS TO AVOID: Does not apply

INCOMPATIBILITY (Materials to Avoid): Reducing agents, flammable or combustible materials, and other agents. Do not mix or contaminate with other agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of nitrogen and sodium oxide.

HAZARDOUS POLYMERIZATION: May occur Will Not occur

CONDITIONS TO AVOID: Does not apply

Section VII – Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED: Sweep-up or shovel material into a clean, labeled container and seal. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and local regulations.

Section VIII – Personal Protection Information

RESPIRATORY PROTECTION: NIOSH/MSHA approved respiratory devices to protect against dusts.

VENTILATION: General or local exhaust to maintain employee exposure below the TLV/PEL.

PROTECTIVE GLOVES: Impervious material to prevent skin contact.

EYE PROTECTION: Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

Section IX – Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Store away from reducing agents and liquids of low flashpoints. Store in a cool, dry, well-ventilated area away from ignition sources. Empty containers used to hold this product should be removed from the premises.

OTHER PRECAUTIONS: May ignite other combustible materials (wood, paper, oil, etc.). Reaction with fuels may be violent. Run-off of sewer may create fire or explosion hazard.

Section X – Other Information

OTHER PRECAUTIONS: Not determined

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

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.