

16-8-4

ALL GENERAL LIQUID SOIL CONDITIONER

16-8-4 is a concentrated liquid fertilizer that contains special penetrating agents to assure quick absorption and vigorous, sustained growth. 16-8-4 is a balanced blend of nutrients promotes rapid greening and lush top growth, making it the perfect all-season general purpose fertilizer for ornamental turf, golf courses, athletic fields and lawns.



FOR USE BY:

Airports
Apartment Buildings
Buildings Maint.
Grounds Maint.
Bus Lines
Corrections
Daycares
Hospitals
Hotels/Motels
Medical Buildings
Military
Nursing Homes
Packaging Plants
Parks and Rec.
Processing Plants
Restaurants
Sanitation Dept.
Schools
Street Dept.
WWTP

FOR USE ON:

Nursery Stock
Shrubs
Athletic Fields
Newly seeded Areas
Golf Greens

FEATURE-BENEFIT:

Promotes Sustained Plant Growth
Ideal All-season Fertilizer
Liquid Formula Goes Directly To The Root Zone

16-8-4 ALL GENERAL LIQUID SOIL CONDITIONER

DIRECTIONS:

Lawn/Turf: Mix 1 pint with 1 gallon water and cover 1000 square feet. Make first application before spring greening, and repeat application every 3 weeks.

Trees/Shrubbery: 1 pint in 1 quart in 15 gallons of water, spray on foliage

Root Feeding: 4 ounces per inch of trunk. Dilute with sufficient water and pour or inject into root zone

TECHNICAL DATA:

Appearance: Green Liquid
Fragrance: Characteristic
Concentrate: Yes
Soluble: Water Dilutable

55, 30, 6, 5, 4 Gallons

CONTACT INFORMATION

OFFICE:

1-888-6PURITY (678-7489)

FAX

1-877-9PURITY (978-7489)

ADDRESS:

114 SOUTHFIELD PKWY
SUITE 120

FOREST PARK GA. 30297

www.puritychemicals.com

MATERIAL SAFETY DATA SHEET

Purity Chemicals
114 Southfield Pkwy, Ste 120
Forest Park, GA 30297



GENERAL INFORMATION NUMBER: (404) 363-0767
CHEMTRAC: (800) 424-9300

REVISION DATE: September 18, 2003
DATE OF ISSUE: October 6, 2003

I - Product Identification

Liquid Fertilizer 16-8-4

PRODUCT CODE:

CHEMICAL FORMULATION: Liquid fertilizer.

NFPA HAZARD IDENTIFICATION SYSTEM:

HAZARD RATING:

4 - Extreme;
3 - High;

HEALTH: 1
2 - Moderate;
1 - Slight;

FLAMMABILITY: 0
0 - Insignificant

REACTIVITY: 0

II - Hazardous Ingredients

Values reported as TV% unless noted.

SUBSTANCE	APPROX	OSHA	ACGIH	EPA 40 CFR:	CAS#
	%	PEL	TLV	302 355 372	
Total Nitrogen	16.0	NE	NE	N	N
Available Phosphate	8.00	NE	NE	N	N
Soluble Potash	4.00	NE	NE	N	N

Key: PEL: Permissible Exposure Limit

N/A: Not Applicable

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

TLV: Threshold Limit Value

N/D: Not Determined

NE: Not Established

C: Ceiling level

Y: Yes

N: No

STEL: Short Term Exposure Limit

III - Physical Data

BOILING POINT (°F): > 200

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR = 1): N/D

SOLUBILITY IN WATER: Soluble

APPEARANCE AND ODOR: Clear, green liquid, characteristic odor.

SPECIFIC GRAVITY (WATER = 1): 1.21

VOC CONTENT (% by weight): N/D

EVAPORATION RATE (WATER = 1): N/D

pH: N/D

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None

FLAMMABLE LIMITS IN AIR (VOLUME %)

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Fire may produce hazardous fumes. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

TEST METHOD: N/A

UPPER: N/A

LOWER: N/A

PRODUCT NAME: Liquid Fertilizer 16-8-4

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong alkalis or acids and calcium.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

PRODUCT CODE: 0245

VI - Health Hazard Data

ROUTES OF ENTRY

INHALATION: X

EYE CONTACT: X

SKIN CONTACT: X

INGESTION: X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Corrosive. May cause severe irritation, burns, tearing.

IF ON SKIN: Irritation with prolonged or repeated exposure.

IF SWALLOWED: May cause nausea, vomiting, diarrhea and gastric distress.

IF DHALED: Irritation of respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Remove contaminated clothing and launder before re-use. Wash with soap and water. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Give affected person large amounts of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

IF DHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Soak up spilled material with inert absorbent material or flush away with water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe mists. If mists are generated wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

LOCAL: Not required

MECHANICAL: Not required

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: September 18, 2003

Prepared by: PMR

DATE OF ISSUE: October 6, 2003

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