

20-2-3

LIQUID FERTILIZER

20-2-3 is a concentrated fertilizer that features a controlled release nitrogen blend that provides longer, more even feeding of plants.

20-2-3 special formula also offers fast green-up and extended feeding without burning, and its convenient liquid form is easy to mix and apply and assures quick absorption by foliage and roots. 20-2-3 can be applied in the spring or early summer.



FOR USE BY:

Airports
Apartment Buildings
Buildings Maint.
Grounds Maint.
Bus Lines
DOC
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:

Athletic Fields
Seeded Areas
Golf Greens
Nursery Stock
Shrubs
Ornamental Turf

FEATURE-BENEFIT:

Provides even, slow release of nutrients to turf grass.

High nitrogen content promotes lush greening & fast growing of turf.

Nutrients last longer & are more evenly distributed without causing burning.

20-2-3 LIQUID FERTILIZER

DIRECTIONS:

See complete directions on product label.

For Spring Application: Dilute 1/2 to 1 gal. with sufficient water for uniform coverage of 1000 square feet.

For Later Application: Apply the same amount to 2000 square feet.

TECHNICAL DATA:

Appearance: Blue Liquid
Fragrance: Slight
Concentrate: Yes
Soluble: Water Dilutable

Quantities:
55 gal., 30 gal., 5 gal., 4 x 1, 6 x 1.

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

PRODUCT CODE: 0242

Total Solutions for Purity Chemicals, Inc.
P.O. Box 118
Forest Park, GA 30297



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTEC: (800) 424-9300

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

I - Product Identification

Liquid Fertilizer 20-2-3

PRODUCT CODE: 0242

CHEMICAL FORMULATION: Liquid fertilizer
NFPA HAZARD IDENTIFICATION SYSTEM:
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0
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II - Hazardous Ingredients

Values reported as TVA unless noted

SUBSTANCE	APPROX	OSHA	ACGIH	PPA 40 CFR:	CAS #	
	%	PEL	TLV	302		355
Total Nitrogen	20.0	N/E	N/E	N	N	N
Available Phosphate	2.00	N/E	N/E	N	N	N
Soluble Potash	3.00	N/E	N/E	N	N	N

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

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).

III - Physical Data

BOILING POINT (°F): > 200 SPECIFIC GRAVITY (WATER = 1): 1.202
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/D
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Soluble pH: 6.00-7.00
APPEARANCE AND ODOR: Clear, aqua blue to faint green liquid; slight odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): N/A
FLAMMABLE LIMITS IN AIR (VOLUME %): UPPER: N/A LOWER: N/A
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

PRODUCT NAME: Liquid Fertilizer 20-2-3

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

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: 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 INHALED: 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 INHALED: 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 LOCAL: Not required MECHANICAL: Not required
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.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None DOT ID NUMBER: None DOT PACKING GROUP: None
DOT CLASS: 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.

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