Andre & Son Inc.

Commercial Turf Sales & Services

Route 706 East • Montrose, PA 18801 • 1.888.887.3770 • Fax 570.278.3835

TURF KING FERTILIZER

	20		5		20	☑	Monoammonium Phosphate
	Nitrogen		Phosphate		Potash	☑	Sulfate of Potash
Meth Urea	60.00	% of Total N					
Ammonium Sulfate	5.00	% of Total N					
XCU 43-0-0		% of Total N	**Micronutrients**				
Multicote 40-0-0		% of Total N	1.00	Iron			
BioSolid 4-5-0		% of Total N		Manganese (Mn)			
SCU 39-0-0		% of Total N		Magnessium (Mg)			
Poultry 4-4-2		% of Total N		Zinc (Zn)		45/50#	
Urea 46-0-0		% of Total N				Package Size/lb.	

Guaranteed Analysis

Nitrogen (N) ……		20.00	%
Ammonical Nitrogen ……	2.06		
Urea Nitrogen ……	7.29		
Slowly Available Nitrogen……..	4.20		
Water Insoluble Nitrogen…….	6.45		
Phosphate (P2O5) ……..		5.00	%
Potash (K2O) ……..		20.00	%
Sulfur (S) ……..		8.11	%
Iron (Fe) ……..		1.00	%

Nutrients Derived From:

Meth Urea, Ammonium Sulfate, Urea, Monoammonium Phosphate, Sulfate of Potash, Iron Sulfate

• turf@andreandson.com • andreandson.com •

MATERIAL SAFETY DATA SHEET **20 - 5 - 20**

70% Meth 40-0-0

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC-DAY OR NIGHT 1-800-424-9300

SECTION 1 - IDENTIFICATION OF PRODUCT

MANUFACTURERED BY:
Andre & Son Inc.
2 Mill Street
Montrose, Pa 18801

EMERGENCY TELEPHONE NO.:
CHEMTREC (800) 424-9300 (24 Hours)

TRADE NAME AND SYNONYMS: **20 - 5 - 20**

CHEMICAL NAME AND SYNONYMS: Inorganic/Organic Chemical Fertilizer Mixture

SECTION 2: MATERIAL IDENTIFICATION - INGREDIENTS (Note: See product label for specific ingredients.)

N-P-K (NITROGEN-PHOSPHATE-POTASSIUM) MIXED DRY BLENDED FERTILIZER - No hazadous ingredient exceeds 1% of total mixture.

Typical Compositio

20 % - Total Nitrogen as N
5 % - Total Phosphate as P_20_5
20 % - Total Potassium as K_20

55 % - Fertilizer salts, inert ingredients/trace impurities

SECTION 3: HEALTH HAZARD INFORMATION

This blended dry fertilizer is typically a mixture of Meth Urea,Urea 46-0-0,Diammonium Phosphate,Sulfate of Potash,. A review of the ingredient salts indicates that ingestion may cause diarrhea, purging, and flatulence. Nausea and vomiting could be expected upon large dose ingestion. The acute ingestive effects are described as nausea, chills and diarrhea. Eye or skin contact with these products could cause irritation (particularly in sensitive persons), and repiratory irritation could be expected from the unprotected breathing of ertilizer dust. Product users shoulc avoid prolonged or repeated skin contact, and they should use eye protection when required by conditions of use. Product users should avoid prolonged ore prepeated skin contact, and they should use eye protection when required by conditions fo use. Product users should wash thoroughly after using or handling these fertilizers. Since children could receive toxic ingestive doses of fertilizers, these products should be stored in a secure place where children cannot get them.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES: Call a physician immediately in all cases of suspected poisoning.

Ingestion: Dilute with water or milk. If necessary induce vomiting only when victim is conscious.
Inhalation: Remove to fresh air. If not breathing give artificial respiration.
Skin: Wash from skin with soap and water.
Eyes: Flush with running water for at least 15 minutes until irritation subsides.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known. Preexisting repiratory conditions may be aggravated by exposure to dusts.

Potential Carcinogen Status (source of Information -Registry of Toxic Effects of Chemical Substances): None listed

SECTION 5: PHYSICAL DATA

Specific Gravity - >1 Solubility - Waer - Appreciable
Appearance/Odor: Multi-colored granular powders with fertilizer-like odors.

MSDS: 20-5-20

SECTION 5: FIRE, EXPLOSION AND REACTIVITY DATA

FLASH POINT (Specify Medthod - °C): Not Flammable

FLAMMABLE LIMITS (PERCENT BY VOLUME): Not Applicable
FIRE EXTINGUISHING MEDIA: Determined by surrounding fire. Not considered combustible.
SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment and self contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Urea may decompose in a fire situation and release cyanuric acid, ammonia, hydrogen cyanide, oxides of nitrogen, and irritating particulates.
NFPA HAZARD RATING:

0 Least		
1 Slight	1	Health
2 Moderate	0	Flammability
3 High	0	Reactvity
4 Severe		

SECTION 6: SPECIAL PROTECTION INFORMATION

Avoid breathing fertilizer dusts. Avoid prolonged ore repeated skin contact. Avoid eye contact with fertilizers. Use a NIOSH approved particulate repirator if respirable dust generation occurs or is anticipated during product use. Use other protective equipment (goggles, gloves, etc.) as required by conditions of product use. Wash thoroughly after handling fertilizers or other chemicals.

SECTION 7: CAUTIONARY STATEMENTS FOR PERSONS HANDLING THIS MATERIAL

CAUTION- May be harmful if swallowed in quantit. Fertilizer dusts may irritate the eyes and respiratory system.
Prolonged productd contact may irritate sensitive skin.
Wash thoroughly after handling. Keep fertilizers out of the reach of children

Note: These products are fertilizers. Do not eat them and avoid breathing their dusts.

SECTION 8: MATERIAL STORAGE INFORMATION

Store these products in a cool, dry placed, away from sources of high heat.
Protect bags or other containers from damage. Keep bags or other containers closed when not in use.

SECTION 9: SPILL, LEAK AND DISPOSAL PROCEDURES

Notify management of any fertilizer spills.
Fertilizer spills should be swept up and/or be shoveled into closed containers for recovery and use or dispose.

DISPOSAL: Recover spills for reuse, or place recovered material in a state of approved landfill or incinerator.
Follow Federal, state and local regulations for disposal.

SECTION 10: REACTIVITY INFORMATION

STABILITY: Stable **CONDITIONS TO AVOID: Excessive heat; moisture**
INCOMPATIBILITY (Avoid contact with): Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Urea mayh decompose to relase cyanuric acid, ammonia, HCN, NO_x
HAZARDOUS POLYMERIZATION: Will not occur **CONDITIONS TO AVOID: None known**

SECTION 11: REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY: **IMMEDIATE Y** **FIRE N** **SUDDEN RELEASE**
DELAYED N **REACTIVE N** **OF PRESSURE N**

SUBSTANCES REGULATED UNDER SARA, TITTLE III, SEC. 313:

None Listed

DATE OF ISSUE: 3/9/09
SUPERSEDES: NEW

All information contained in this Material Safety Data Sheet is furnished free of charge and is inteded for your evaluation. In our opinion, the information is, as of the date of the Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the informaiton for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and helath of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.