



Martenson Turf Products

*Specializing in Quality Seeds &
Turf Care Products*

GUARANTEED ANALYSIS

12-12-12

TOTAL NITROGEN (N)	12.0%
4.7% Ammoniacal nitrogen	
7.3% Urea nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅).....	12.0%
SOLUBLE POTASH (K ₂ O)	12.0%
CHLORINE (Cl) not greater than	9.3%

Primary Plant foods derived from: Urea, Diammonium Phosphate, and Muriate of Potash.

DIRECTIONS

Apply to dry turfgrass. Watering following application will enhance performance. Keep this product off sidewalks, patios, driveways, etc.. If fertilizer comes in contact with these areas sweep off immediately after application to prevent any staining.

Application Rates

Nitrogen desired:	Apply product at:	
1 lb. N/1000 Sq. Ft.	361 lbs./acre	8.33 lbs./1000 Sq. Ft.
0.5 lb. N/1000 Sq. Ft.	181 lbs./acre	4.15 lbs./1000 Sq. Ft.

NET WT. 50 LBS.

400-2070 polypocket

12-12-12

CAUTION

KEEP OUT OF REACH OF CHILDREN

May cause eye or skin irritation. May be harmful if swallowed. If swallowed, give 1 or 2 glasses of water and call physician or Poison Control Center immediately. In case of contact, flush with water. For eyes, get medical attention if irritation persists. Keep out of cuts or open wounds.

CONTAINER DISPOSAL

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**MANUFACTURED FOR MARTENSON TURF PRODUCTS
P.O. BOX 218
WATERMAN, IL 60556**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Martenson 12-12-12 All Mineral

SECTION I

MANUFACTURER'S NAME: EAU CLAIRE COOPERATIVE P.O. BOX 837 EAU CLAIRE, WI 54702	EMERGENCY TELEPHONE NUMBER CALL DAY OR NIGHT 1-800-424-9300 TELEPHONE NUMBER FOR INFORMATION: (715)-876-6422
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SECTION II CHEMICAL INGREDIENTS / IDENTITY INFORMATION

<u>CHEMICAL COMPONENTS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>	<u>CAS #</u>	<u>%</u>
Urea	15mg/M ³	10mg/M ³		57-13-6	16.00
Potassium Chloride	15mg/M ³	10mg/M ³		7447-407	19.50
Diammonium Phosphate (DAP)	15mg/M ³	10mg/M ³		7783-28-0	26.50
Limestone	5mg/M ³	10mg/M ³		NA	37.75
Mineral Oil				8042-47-5	0.25

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT	NA	SPECIFIC GRAVITY	>1
VAPOR PRESSURE	NA	MELTING POINT	132.7 ⁰ C
VAPOR DENSITY	NA	EVAPORATION RATE	NA
SOLUBILITY IN WATER	Soluble	APPEARANCE AND ODOR	Granular & mixed color

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NA

EXTINGUISHING MEDIA: FOAM & WATER

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus, to protect against the decomposition products of Urea and Sulfur Coated Urea which can be toxic.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid breathing vapors or dust.

SECTION V REACTIVITY DATA

STABLE	X	CONDITIONS TO AVOID	Decomposes when heated above melting point
UNSTABLE		CONDITIONS TO AVOID	

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid Contact with Strong Acids, Mildly Corrosive to Metals in Presence of Moisture

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: NDA

HAZARDOUS POLYMERIZATION:

MAY OCCUR		CONDITIONS TO AVOID	
WILL NOT OCCUR	X	CONDITIONS TO AVOID	N A

SECTION VI HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, Eyes, Skin, and Ingestion

HEALTH HAZARDS:

SIGNS AND SYMPTOMS OF EXPOSURE: EYES: Dust and vapors can cause irritation and pain. SKIN: Can cause irritation. INHALATION: Dust can cause sore throat, coughing, and shortness of breath. INGESTION: Can cause sore throat and abdominal pain.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NDA

EMERGENCY AND FIRST AID PROCEDURES: EYES & INGESTION: Flush immediately with plenty of water, seek medical attention if necessary. SKIN: Remove contaminated clothing immediately and flush contaminated area with water. INHALATION: Move to fresh air and rest. Seek medical attention if necessary.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and reuse as product.

WASTE DISPOSAL METHOD: Sanitary Landfill. Dispose in compliance with local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in dry location, remote from acids.

OTHER PRECAUTIONS:

SECTION VIII CONTROL MEASURES / PROCESS AREAS

RESPIRATORY PROTECTION (SPECIFY TYPE):

VENTILATION	LOCAL EXHAUST	as necessary to maintain low dust levels
	MECHANICAL	N A
	SPECIAL	dust mask or respirator in dusty situations

PROTECTIVE GLOVES: Gloves recommended EYE PROTECTION: None required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Optional

WORK / HYGIENIC PRACTICES: Normally accepted practices.

SECTION IX REGULATORY COMPLIANCE

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

REPORTABLE QUANTITY (RQ), EPA REGULATION 40 CFR 302 (CERLA Section 102):

CHEMICAL NAMES	CAS#	RQ
Martenson 12-12-12 All Mineral		NA

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA Sections 301-304):

CHEMICAL NAME:	CAS#:	TPQ:
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TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313):

CHEMICAL NAME:	CAS #:	% BY WEIGHT IN PRODUCT
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HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Sections 311-312):

CHEMICAL NAME:	CAS#:
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EPA HAZARD CLASSIFICATION CODE:

ACUTE HAZARD	CHRONIC HAZARD	FIRE HAZARD	PRESSURE HAZARD	REACTIVE HAZARD	NOT APPLICABLE
					X

HAZARD RATING: NFPA

0 FIRE	0 TOXICITY	0 REACTIVITY	U CORROSIVENESS
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HAZARD RATING CODE	0 None	1 Slight	2 Moderate	3 High	U Unknown
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SECTION X TRANSPORTATION INFORMATION

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Material Incidents. DOT P 5800.5

DOT IDENTIFICATION: RQ:

OSHA REQUIRED LABEL INFORMATION:

In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading or invoice accompanying this shipment. NA

NOTE: Product label will contain additional non-OSHA related information.

DATE: March, 2005 SUPERSEDES: ALL PREVIOUS

The information herein was given in good faith but no warranty, expressed or implied was made. Consult for further information.

NA = NOT APPLICABLE NDA = NO DATA AVAILABLE