SAFETY DATA SHEET

MANUFACTURED BY:

Ramy Turf Products
1329 N. Riverfront Drive
Mankato, MN
(507) 387-4091
FAX (507)-387-7033

1. Product and Company identification

1.1 Product identifier

Product name	**Ramy Turf Push 4-0-1**
Trade name and synonyms	**Nitrogen Fertilizer with Non-Ionic Surfactant**

1.2 Relevant uses of the substance and uses advised against

Identified uses	Fertilizer and in blending applications
Uses advised against	No available data

1.3 Details of the supplier of the SDS

Company name	EnP Investments LLC
Address	Box 618 2001 W Main Street Mendota, IL 61342-0618
Telephone	1-800-255-4906
Fax	1-815-538-6981
Email address	order@enpturf.com

1.4 Emergency telephone number

1-815-539-7471 (business hours)

2. Hazards Identification

2.1 OSHA/HCS status

This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200).

2.2 Classification of substance or mixture

Classified as nonharzardous in accordance with current laws.

2.3 GHS Label elements

Not available

2.4 Signal word (GHS-US)

Not available

2.5 Hazard statements (GHS-US)

May cause mild eye and skin irritation

2.6 Other hazards

Not available

2.7 Precautionary Statements

(a.)Prevention: Use appropriate personal protective equipment (PPE) i.e. gloves and safety goggles.
(b.)Response: IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists, seek medical attention. IF ON SKIN: Wash with plenty of soap and water.
(c.)Storage: Store in original container out of reach of children.
(d.)Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
(e.)Hazards not otherwise classified: None known.

3. Composition/information on ingredients

Chemical Name	Common Name	CAS number	Exposure Limits
Urea	Water Soluble Nitrogen	57-13-6	Proprietary formulation as allowed by 29cfr 1910. 1200 (d) 1
Potassium Nitrate		7757-75-1	
Iron EDTA	Iron Chelate	16455-61-1	
Manganese EDTA	Manganese Chelate	15375-84-5	No limits established
Humic Acid		1415-93-6	
Extract of Ascophyllum nodosum		84775-78-0	
Polyoxypropylene-Polyoxyethylene block copolymer	Non-Ionic Surfactant	106392-12-5	

4. First Aid Measures

4.1 Description of necessary first aid measures

Inhalation No known significant effects or critical hazards.
Skin contact Wash with water, if itching and redness persist. Seek medical attention**.**
Eye contact Flush eyes with water; continue flushing for at least 15 minutes.
Ingestion Rinse mouth with water. For heavy ingestion of material, consult health care professionals if diarrhea, or stomach cramps persist.

5. Fire Fighting Measures

5.1 Extinguishing media

(a.) Suitable Extinguishing media:

Extinguish with water, fog, foam, and/or carbon dioxide.

(b.) Unsuitable Extinguishing media:

Avoid direct stream of water to extinguish.

5.2 Special Protective Equipment for firefighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operating in positive pressure mode.

5.3 General fire hazards

This product is not flammable.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Use appropriate personal protective equipment (PPE) i.e. gloves and safety goggles.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not allow to enter drains, sewers, or watercourses.

6.3 Methods and materials for containment and cleaning up

No specialized clothing or material required. Contain spill. May be cleaned up and disposed of in accordance with State and Federal regulations.

7. Handling and Storage

7.1 Precautions for safe handling

No personal protection is required. Standard safe handling procedures should be used. Protective gloves and safety glasses are recommended.

7.2 Conditions for safe storage, including any incompatibilities

Store in dry place and protect from freezing. Keep container closed when not in use.

8. Exposure Controls / Personal Protection

8.1 Occupational exposure limits
Not available
8.2 Individual protection measures

Respiratory Protection	Ventilation	Protective Gloves
Not required	No special requirements	Chemical resistant rubber gloves
Eye Protection	**Other Equipment**	**Work / Hygienic Practices**
Chemical goggles	Eye wash and safety shower in work area.	Avoid contact with eyes, skin, and garments. Wash thoroughly after

9. Physical and chemical properties

Appearance Dark Brown Colored Liquid
Physical State Liquid
Form Liquid
Color Dark Brown
Odor Clean, unobtrusive aroma
Odor threshold Not available
pH 6.0-6.5
Salt-Out / Crystallization Temp Not available
Melting Point / Freezing Point Not available
Initial boiling point and boiling point range Not available
Flash point Not available
Evaporation rate Not available
Flammability (solid, gas) N/A
Upper/lower flammability or explosive limits Not available
Flammability limit-lower (%) Not available
Flammability limit-upper (%) Not available
Explosive limit-lower (%) Not available
Explosive limit-upper (%) Not available

Vapor pressure Not available
Vapor density Not available
Relative density Not available
Specific Gravity 1.10
Pounds per Gallon 9.18 lbs.
Solubility(ies) 100%
Partition coefficient (n-octanol/water) Not available
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
Other information.
Bulk density N/A
pH in aqueous solution Not available

10. Stability and Reactivity

Reactivity This product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical stability This product is stable under normal conditions.
Possibility of hazardous reactions Not available
Conditions to avoid Temperatures below freezing (<32°F/0°C)
Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on likely routes of exposure

Inhalation	No known significant effects or critical hazards.
Skin contact	Prolonged skin contact may cause slight irritation.
Eye contact	Exposure may cause slight irritation.
Ingestion	May cause discomfort if swallowed.

11.2 Further Information

If exposure causes irritation, refer to first aid measures in section 4.

12. Ecological information

12.1 Toxicity

Not available

12.2 Persistence – degradability

Not available

12.3 Potential for bioaccumulation

Not available

12.4 Mobility in soil

This product is water soluble and may disperse in soil.

12.5 Other adverse effects

Not available

13. Disposal considerations

13.1 Disposal methods

Dispose in accordance with current local, state, and federal regulations.

13.2 Contaminated packaging

Single use containers may retain product residue. Empty containers should be rinsed prior to disposal in accordance with current local, state, and federal regulations.

14. Transportation information

This product is not subject to transportation regulations.

15. Regulatory information

This product is not subject to regulations.

16. Other information, including date of preparation and/or revision

16.1 Other information

16.2 Date of Preparation and/or revision

Effective Date	3/20/15
Revision Date	3/10/17

This information contained herein is based on the present state of our knowledge. It characterizes this product with regard to the appropriate safety precautions. Product specifications contained in this SDS represent typical results of normal production.