

MATERIAL SAFETY DATA SHEET

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC- DAY

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

OR NIGHT 1-800-424-9300

FORMULATED FOR:

Independent Turf Partners, Inc.
P.O. Box 682
Jensen Beach, FL 34958

24- Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: Terra Bonne BupH-It Spray Tank Acidifier
CHEMICAL NAME: pH Buffer plus indicators
CHEMICAL FAMILY: Blend of wetters, spreaders, penetrants and spray water buffers

Date of Issue: 02/28/12

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION - May cause eye and skin irritation. Avoid contact with skin, eyes, open cuts, and sores. In case of contact, flush with water. Get medical attention for eyes. Nausea and vomiting could be expected upon large dose ingestion. Do not induce vomiting. Burning may result in carbon monoxide fumes. Wash thoroughly after handling and using this product.

This product is a red liquid with no odor. Primary routes of entry are inhalation & eye contact. Skin absorption is unlikely to occur.

3. COMPOSITION, INFORMATION ON INGREDIENTS

None.

4. FIRST AID MEASURES

If in eyes: Flush eyes with plenty of running water. Get medical attention if irritation persists.
If on skin: Wash skin with soap and water
If swallowed: Call a Poison Control Center or physician immediately. Drink 2 glasses of milk or water to dilute. DO NOT induce vomiting unless directed to by medical personnel.
If inhaled: Remove product or move person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Does not flash.
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, or water
HAZARDOUS COMBUSTION PRODUCTS: Heating to dryness may cause the release of ammonia and carbon dioxide. Ammonia may form flammable mixtures with air.
SPECIAL FIRE FIGHTING PROCEDURES: Remove container from fire area

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

7. HANDLING AND STORAGE

HANDLING: Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.

STORAGE: Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. Avoid storage at temperatures of 110F or higher. Corrosive to steel, aluminum, brass. Use with stainless steel or PVC fittings. Product may stain unfinished wood, painted surfaces, or concrete.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.

RESPIRATORY PROTECTION: Not normally required.

PERSONAL PROTECTIVE EQUIPMENT: Chemical goggles or shielded safety glasses and rubber or neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Red liquid with no odor	
SOLUBILITY:	Miscible	
pH:	Not determined	BULK DENSITY: 10.09lbs / gallon
SPECIFIC GRAVITY (Water = 1):	1.21	BOILING POINT: > 100° C
VAPOR PRESSURE:	Not available	EVAPORATION RATE: Not determined
PERCENT VOLATILE (by volume):	Not available	

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable for at least 2 years under normal conditions.

INCOMPATIBILITY: Not available

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may result in formation of carbon monoxide fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀(rat): not established

Acute Dermal LD₅₀(rabbit): not established

Eye Irritation (rabbit): not established

Inhalation LC₅₀(rat): not established

Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

Skin Irritation (rabbit): not established

Skin Sensitization (guinea pig): not established

12. ECOLOGICAL INFORMATION

Ecotoxicology: Due to the non-toxic classification of this product no negative impact on wildlife is expected.

Biodegradation: Oxidation and microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

Container disposal: Wash thoroughly with water and soap prior to reuse.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.
U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
		4 Severe	

SARA Hazard Notification/Reporting
SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed

16. OTHER

PREPARED BY: Registrations and Regulatory Affairs **REVIEWED BY:** Environmental/ Regulatory Services

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