

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
P.O. Box 682
Jensen Beach, FL 34958

24- Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-3017976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: Terra Bonne Phite It Si 0-20-26 LIQUID TURF & ORNAMENTAL FERTILIZER
CHEMICAL NAME: Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY: N-P-K Mixed liquid blended fertilizer

Date of Issue: 02/27/12

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION - May cause mild 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. This blended liquid fertilizer is a mixture of Urea, Potassium Acetate, Brewer's Yeast, and Molasses. Nausea and vomiting could be expected upon large dose ingestion. The acute ingestive effects are described as nausea, chills, and diarrhea. Eye and skin contact with these products could cause irritation (particularly in sensitive persons), and respiratory irritation could be expected from the unprotected inhalation of fertilizer mists. Product users should avoid prolonged or repeated skin contact by wearing impervious gloves, long sleeve shirt, long pants, socks and rubber boots. Goggles for eye protection are recommended. Wash thoroughly after handling and using this product.

This product is a dark brown-colored liquid with sugary, molasses and slight ammonia odor. Primary routes of entry are inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

N-P-K (NITROGEN-PHOSPHORUS-POTASSIUM) MIXED LIQUID BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture.

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Phosphate	20.00	Mixture	Not established
Soluble Potash (K ₂ O)	26.00	Mixture	Not established
Fertilizer salts and inert ingredients	54.00		

4. FIRST AID MEASURES

If in eyes: Immediately rinse with water for 5 minutes
If on skin: Wash skin with soap and water
If swallowed: Rinse mouth with water and drink large a quantity of water
If inhaled: Remove product or move person to fresh air

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): None to boiling
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Use water spray, dry chemical or carbon dioxide
HAZARDOUS COMBUSTION PRODUCTS: Vapors are non-toxic and non-irritant
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 labelled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals.

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 are not required, but its use is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: brown liquid
SOLUBILITY: Appreciable
pH: 9.0
SPECIFIC GRAVITY (Water = 1): 1.28
VAPOR PRESSURE: Not established
PERCENT VOLATILE (by volume): Not applicable
BULK DENSITY: 10.8
BOILING POINT: 100°
EVAPORATION DATE: Not established

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: Strong bases and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀(rat): >5600 mg/kg in rats – non-toxic
Acute Dermal LD₅₀(rabbit): >8600 mg/kg in rats- non- toxic
Eye Irritation (rabbit): Non-irritant in rabbits. **Skin Irritation (rabbit):** Non-irritant in rabbits.
Inhalation LC₅₀(rat): Not established **Skin Sensitization (guinea pig):** Not established
Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

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 5; CLASS 50)

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
CA Proposition 65: WARNING: This product contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER

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

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