

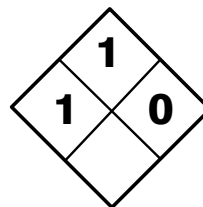
SAFETY DATA SHEET

Turf Fuel Xchange

Date: 05/01/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Turf Fuel Xchange
DISTRIBUTOR Residex, LLC
ADDRESS 15415 Marquardt Ave • Santa Fe Springs, CA 90670
EMERGENCY INFOTRAC PHONE **US** 1-800-535-5053 / **International** 1-352-323-3500
CHEMICAL NAME Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY Mixed liquid blended fertilizer
CHEMICAL FORMULA Liquid
PRODUCT USE Mixed liquid blended fertilizer
SECTION 1 NOTES None



GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation Category 2
Serious eye damage/ eye irritation Category 2 B
Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3

GHS PRECAUTIONS

P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.



Signal Word: **Warning**

GHS HAZARDS

H315 Causes skin irritation
H319 Causes eye irritation
H335 May cause respiratory irritation.
H303 May be harmful if swallowed
H333 May be harmful if inhaled

RESPONSE STATEMENTS

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Hazards Not otherwise classified

SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Ferrous sulfate	7720-78-7	1.50%
Humic Acid	1415-93-6	10.00%
Soluble Potash (K ₂ O)	12136-45-7	1.00%

Product does not contain any pesticides or pest control agents.

CARCINOGENICITY

OSHA No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

EYE CONTACT - IF IN EYES: Flush eyes with clean running water for at least 15 minutes.

SKIN CONTACT - IF ON SKIN: Wash skin with soap and water.

INGESTION - IF SWALLOWED: Rinse mouth with water and drink large a quantity of water

INHALATION - IF INHALED: Remove to fresh air.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: INFOTRAC 1-800-535-5053. Have the product label with you when calling a poison control center or doctor, or going for treatment.

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION:

1 HEALTH
1 FLAMMABILITY
0 REACTIVITY
0 OTHER

Hazard Scale

0 Least
1 Slight
2 Moderate
3 High
4 Severe

HMIS HAZARD RATING:

1 HEALTH
0 FLAMMABILITY
0 REACTIVITY
0 OTHER
H PPE

IN CASE OF FIRE: Use foam, CO2, dry chemical, or water

SPECIAL FIRE FIGHTING PROCEDURES: Remove container from fire area

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: 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.

SECTION 6 NOTES: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 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.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

VENTILATION: Not normally required.

RESPIRATORY PROTECTION: Not normally required.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Rubber or neoprene gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye protection and gloves are suggested when handling undiluted product.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: OSHA PEL 8 hr TWA ACGIH TLV-TWA
No listings

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black-colored liquid	FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER:	Not established
		LOWER:	Not established
ODOR:	Earthy odor	VAPOR PRESSURE (mmHg):@	F: Not established
ODOR THRESHOLD:	Not established		C: Not established
PHYSICAL STATE:	Liquid		
pH AS SUPPLIED:	8.5	VAPOR DENSITY (AIR = 1):@	F: Not established
pH (Other):	Not established		C: Not established
INITIAL BOILING POINT:	F: 250 C: 121	RELATIVE DENSITY: (Specific Gravity)	1.13 g/ml
		BULK DENSITY	9.4 pounds / gallon
BOILING POINT RANGE:	F: Not established C: Not established	EVAPORATION RATE:	Not established
		BASIS (butyl acetate=1):	
MELTING POINT:	F: Not established C: Not established	SOLUBILITY IN WATER:	Appreciable
FREEZING POINT:	F: Not established C: Not established	PARTITION COEFFICIENT: (n-octanol/water):	Not established
		AUTO-IGNITION TEMPERATURE:	F: Not established
FLASH POINT:	F: Does not flash C: Does not flash	DECOMPOSITION TEMPERATURE:	C: Not established
METHOD USED:	Not Available	VISCOSITY:@	F: Unknown
			C: Unknown
FLAMMABILITY (solid, gas):	Not established		

SECTION 9 NOTES:

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.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable X Unstable

CONDITIONS TO AVOID (STABILITY): Stable for at least 2 years under normal conditions.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): Not applicable

SECTION 10 NOTES: N-P-K Mixed Liquid blended fertilizers – No hazardous ingredient exceeds 1% of mixture.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	Not available	Acute Oral LD50(rat):	Not established
		Acute Dermal LD50 (rabbit):	Not established
MIXTURE TOXICITY		Eye Irritation rabbit):	Not established
		Skin Irritation(rabbit):	Not established
COMPONENT TOXICITY		Inhalation LC50(rat):	Not known
		Skin Sensitization (guinea pig):	Not established
		Carcinogenic Potential:	None listed in OSHA, NTP, IARC, or ACGIH

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not established
ECOTOXICITY: Due to the non-toxic classification of this product no negative impact on wildlife is expected.
BIOACCUMULATIVE POTENTIAL: Oxidation and microorganisms.
MOBILITY IN SOIL: Not established
OTHER ADVERSE EFFECTS: Not established
SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Wash thoroughly with water and soap prior to reuse.
RCRA HAZARD CLASS: Not listed
SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS Mixture not listed
TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed
SARA TITLE III (SUPERFUND AMENDMENTS AND 311/312 HAZARD CATEGORIES) Not listed
Acute Health Hazard Y
Chronic Health Hazard N
Fire Hazard N
Sudden Release of Pressure Hazard N
Reactive Hazard N
313 REPORTABLE INGREDIENTS: Not listed
INTERNATIONAL REGULATIONS: Not listed
CA Proposition 65: WARNING: Not listed
SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Replaces Issue: 10/11/16
PREPARED BY: Registrations and Regulatory Affairs
REVIEWED BY: Environmental/ Regulatory Services

DISCLAIMER:
Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material of process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Residex, LLC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.