

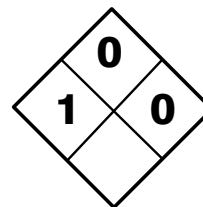
# SAFETY DATA SHEET

Turf Fuel 12-00-00 Photo Fuel

Date: 05/01/17

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** Turf Fuel 12-00-00 Photo Fuel  
**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** N-K Mixed liquid blended fertilizer  
**CHEMICAL FORMULA** Liquid  
**PRODUCT USE** Fertilizer  
**SECTION 1 NOTES** None



### GHS Ratings:

#### Toxicity Categories

Skin corrosion/ irritation  
Specific target organ toxicity,  
Specific target organ toxicity,  
single exposure; Respiratory tract  
irritation

Category 2  
Category 2 A  
Category 3

P102  
P270  
P280  
P103  
P261

Keep out of reach of children.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Read label before use.  
Avoid breathing dust/fume/gas/mist/vapor/spray.



**Signal Word:** **Warning**

### GHS PRECAUTIONS

P264  
P271  
P273

Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

### 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 + P312  
P302 + P352  
P304 + P340  
P337 + P313  
P332 + P313  
P362  
P305 + P351 +  
P338  
P312  
P403 + P233

IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
IF ON SKIN: wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.  
IF eye irritation persists: Get medical advice/attention.  
IF SKIN irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Store in a well-ventilated place. Keep container tightly closed.

### Hazards Not otherwise classified

## SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Nitrogen (N)	57-13-6	12.00%
Ferrous sulfate	7720-78-7	4.00%
Citric Acid	77-92-9	1.00%
Magnesium Sulfate	7487-88-9	0.25%
Copper Sulfate	7758-99-8	0.15%
Manganese Sulfate	10034-96-5	2.00%
Molybdenum (Mo)	7631-95-0	0.04%

Product does not contain any pesticides or pest control agents.

### CARCINOGENICITY

**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: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. If eye irritation persists: Get medical advice or attention.
- SKIN CONTACT -** IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water or several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. If skin irritation occurs: Get medical advice or attention.
- INGESTION -** IF SWALLOWED: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water and drink large a quantity of water if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice if you feel unwell.
- INHALATION -** IF INHALED: Remove to fresh and keep at rest in a position comfortable for breathing. If person is not breathing, call 911, and then give artificial respiration, preferably mouth to mouth if possible.

**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:**

<u>1</u>	<b>HEALTH</b>
<u>0</u>	<b>FLAMMABILITY</b>
<u>0</u>	<b>REACTIVITY</b>
<u>0</u>	<b>OTHER</b>

**Hazard Scale**

<u>0</u>	Least
<u>1</u>	Slight
<u>2</u>	Moderate
<u>3</u>	High
<u>4</u>	Severe

**HMIS HAZARD RATING:**

<u>1</u>	<b>HEALTH</b>
<u>0</u>	<b>FLAMMABILITY</b>
<u>0</u>	<b>REACTIVITY</b>
<u>0</u>	<b>OTHER</b>
<u>H</u>	<b>PPE</b>

**IN CASE OF FIRE:** Use water spray, dry chemical, or Carbon dioxide or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use foam, CO2, dry chemical, or water

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Vapors are non-toxic and non-irritant. Oxides of nitrogen, carbon and ammonia will be formed when heated to decomposition.

**SECTION 5 NOTES:** Remove container from fire area

**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:** None

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands

**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:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.

**RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as

appropriate.

**EYE PROTECTION:** Chemical goggles and or face shield.

**SKIN PROTECTION:** Chemical gloves are not required but recommended, long-sleeved shirts, long pants and gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower should be easily accessible. Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

**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**

<b>APPEARANCE:</b>	Green liquid with	<b>FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER:</b>	Not established
		<b>LOWER:</b>	Not established
<b>ODOR:</b>	No discernible smell	<b>VAPOR PRESSURE (mmHg):@</b>	F: >1
<b>ODOR THRESHOLD:</b>	Not established		C: >1
<b>PHYSICAL STATE:</b>	Liquid		
<b>pH AS SUPPLIED:</b>	2.5-3.0	<b>VAPOR DENSITY (AIR = 1):@</b>	F: Not established
<b>pH (Other):</b>	Not established		C: Not established
<b>INITIAL BOILING POINT:</b>	F: 250 C: 121	<b>RELATIVE DENSITY: (Specific Gravity)</b>	1.21
		<b>BULK DENSITY</b>	10.1 lbs / gallon
<b>BOILING POINT RANGE:</b>	F: 250 C: 121	<b>EVAPORATION RATE:</b>	Not established
		<b>BASIS (butyl acetate=1):</b>	
<b>MELTING POINT:</b>	F: Not established C: Not established	<b>SOLUBILITY IN WATER:</b>	Appreciable
		<b>PARTITION COEFFICIENT:</b>	Not established
<b>FREEZING POINT:</b>	F: Not established C: Not established	<b>(n-octanol/water):</b>	
		<b>AUTO-IGNITION TEMPERATURE:</b>	F: Not established
<b>FLASH POINT:</b>	F: >205° C: >96°	<b>DECOMPOSITION TEMPERATURE:</b>	C: Not established
		<b>VISCOSITY:@</b>	F: Not established
			C: Not established
<b>METHOD USED:</b>	PMCC		
<b>FLAMMABILITY (solid, gas):</b>	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):** Strong bases.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Can react with metals, strong bases.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Urea may decompose to release cyanuric acid, ammonia, HCN, NO

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** Not applicable

**SECTION 10 NOTES:** None

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGICAL INFORMATION:</b>	Not established	Acute Oral LD50(rat):	Not established
		Acute Dermal LD50 (rabbit):	Not established
<b>MIXTURE TOXICITY</b>	Not available	Eye Irritation rabbit):	Not established
		Skin Irritation(rabbit):	Not established
		Inhalation LC50(rat):	Not known
<b>COMPONENT TOXICITY</b>		Skin Sensitization (guinea pig):	Not established
		Carcinogenic Potential:	None listed in OSHA, NTP, IARC, or ACGIH
<b>SECTION 11 NOTES:</b>	Not available None		

**SECTION 12: ECOLOGICAL INFORMATION**

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

**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:** 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 US DOT

**U.S. Surface Freight Classification:** Fertilizing Compounds (Manufactured Fertilizers), NOI; Liquid (NMFC 68140, Sub 6)

**OTHER AGENCIES:** None

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS** Mixture not listed

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Not regulated

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA TITLE III (SUPERFUND AMENDMENTS AND** None

<b>311/312 HAZARD CATEGORIES</b>	Acute Health Hazard	<u>Yes</u>
	Chronic Health Hazard	<u>No</u>
	Fire Hazard	<u>No</u>
	Sudden Release of Pressure Hazard	<u>No</u>
	Reactive Hazard	<u>No</u>

**313 REPORTABLE INGREDIENTS:** Not listed

**INTERNATIONAL REGULATIONS:** None

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

**SECTION 15 NOTES:** None

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:** Replaces issue dated 10/10/16

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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