

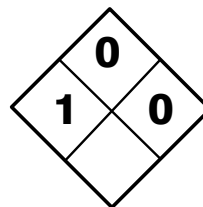
# SAFETY DATA SHEET

Turf Fuel Carbon 21

Date: 05/01/17

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** Turf Fuel Carbon 21  
**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 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.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy.  
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P337 + P313 IF eye irritation persists: Get medical advice/attention.  
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
UAN Solution	157978-77-5	1.00%
Soluble Potash (K2O)	12136-45-7	3.00%
Fertilizer salts and inert ingredients	Mixture	94.00%

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:** None

#### 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

**SPECIAL FIRE FIGHTING PROCEDURES:** Remove container from fire area

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

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

**SECTION 5 NOTES:**

#### 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:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after using this product and before eating, drinking, chewing gum, using tobacco or using the toilet.

**STORAGE:** Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed, food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed or disposal.

**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:** Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**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>	Dark brown-colored liquid	<b>FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER:</b>	Not established
		<b>LOWER:</b>	Not established
<b>ODOR:</b>	sugary, molasses and slight am	<b>VAPOR PRESSURE (mmHg):@</b>	F: Not established
<b>ODOR THRESHOLD:</b>	Not established		C: Not established
<b>PHYSICAL STATE:</b>	Liquid		
<b>pH AS SUPPLIED:</b>	5.4	<b>VAPOR DENSITY (AIR = 1):@</b>	F: Not established
<b>pH (Other):</b>	Not established		C: Not established
<b>INITIAL BOILING POINT:</b>	F: 212 C: 100	<b>RELATIVE DENSITY: (Specific Gravity)</b>	1.28
		<b>BULK DENSITY</b>	10.8 lbs / gallon
<b>BOILING POINT RANGE:</b>	F: Not established C: Not established	<b>EVAPORATION RATE:</b>	
		<b>BASIS (butyl acetate=1):</b>	
<b>MELTING POINT:</b>	F: Not applicable C: Not applicable	<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>FLASH POINT:</b>	F: Not applicable C: Not applicable	<b>AUTO-IGNITION TEMPERATURE:</b>	F: Not established
		<b>DECOMPOSITION TEMPERATURE:</b>	C: Not established
		<b>VISCOSITY:@</b>	F: Not established C: Not established
<b>METHOD USED:</b>	Not established		
<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):** Not known

**INCOMPATIBILITY (MATERIAL TO AVOID):** Not known

**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 established

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

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGICAL INFORMATION:</b>	Not established	Acute Oral LD50(rat):	>5600 mg/kg
		Acute Dermal LD50 (rabbit):	>8600 mg/kg
<b>MIXTURE TOXICITY</b>	Not available	Eye Irritation rabbit):	Non-irritant
		Skin Irritation(rabbit):	Not established
<b>COMPONENT TOXICITY</b>		Inhalation LC50(rat):	Not known
		Skin Sensitization (guinea pig):	Not established
	Not available	Carcinogenic Potential:	None listed in OSHA, NTP, IARC, or ACGIH

**SECTION 11 NOTES:**

**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:** None

**SECTION 12 NOTES:** None

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Do not reuse container. Rinse container thoroughly, adding rinsate to mixing tank.

**CONTAINER DISPOSAL:** Offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by State and local authorities.

**RCRA HAZARD CLASS:** Not listed

**SECTION 13 NOTES:** Contaminated absorbents and surplus product should be buried in accordance with any local leg

**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 5, Class 50)

**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 311/312 HAZARD CATEGORIES)**

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:** None

**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 10/11/16

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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