

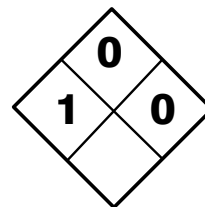
# SAFETY DATA SHEET

Turf Fuel 25-0-0 Base N25

Date: 05/01/17

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** Turf Fuel 25-0-0 Base N25  
**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.  
H332 Harmful if inhaled  
H303 May be harmful if swallowed

### RESPONSE STATEMENTS

P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
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
Urea	57-13-6	25.00%
Urea-Triazone	7098-14-8	10.00%
Fertilizer salts and inert ingredients	7487-88-9	65.00%

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. If irritation persists, get medical attention.

**SKIN CONTACT -** IF ON SKIN OR CLOTHING: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, or if rash develops, get medical attention.

**INGESTION -** IF SWALLOWED: If conscious, drink 1 or 2 glasses of water. Get medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

**INHALATION -** IF INHALED: Remove to fresh air. If irritation persists, get medical attention.

#### 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  
0 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 medium appropriate to surrounding fire. Use foam, CO2, dry chemical, or water

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** May include but not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.

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

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Avoid breathing mists. Absorb and sweep up spills immediately and transfer to suitable containers for possible land application according to label use or disposal. Check local, state and federal regulations for proper disposal.

**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 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 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:** 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 liquid	<b>FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER:</b>	Not established
		<b>LOWER:</b>	Not established
<b>ODOR:</b>	slight ammonia odor	<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>	9.0-10.0	<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>	1.22 g/ml
		<b>BULK DENSITY</b>	10.2 lbs / gallon
<b>BOILING POINT RANGE:</b>	F: Not established C: Not established	<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>FREEZING POINT:</b>	F: Not established C: Not established	<b>PARTITION COEFFICIENT:</b>	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>METHOD USED:</b>	Not established	<b>VISCOSITY:@</b>	F: Not established
			C: 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):** Strong bases and oxidizing agents.

**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 established

**SECTION 10 NOTES:** None

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGICAL INFORMATION:</b>	Not established	Acute Oral LD50(rat):	>2500 mg/kg
		Acute Dermal LD50 (rabbit):	Not established
<b>MIXTURE TOXICITY</b>	Not established	Eye Irritation rabbit):	Not established
		Skin Irritation(rabbit):	Not established
<b>COMPONENT TOXICITY</b>		Inhalation LC50(rat):	Not known
		Skin Sensitization (guinea pig):	Not established
	Not established	Carcinogenic Potential:	None listed in OSHA, NTP, IARC, or ACGIH
<b>SECTION 11 NOTES:</b>	None		

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Drift or runoff may adversely affect non-target plants.

**ECOTOXICITY:** Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

**BIOACCUMULATIVE POTENTIAL:** Oxidation and microorganisms.

**MOBILITY IN SOIL:** Not established

**OTHER ADVERSE EFFECTS:** Do not apply when weather conditions favor drift from target area.

**SECTION 12 NOTES:** Do not contaminate water when disposing of equipment wash water.

**SECTION 13: DISPOSAL CONSIDERATIONS**

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

**CONTAINER DISPOSAL:** Then 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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Avoid contaminating water by disposal of equipment wash waters or other product wastes

**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 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):** Not listed

**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:** Not listed

**INTERNATIONAL REGULATIONS:** 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.

**SECTION 15 NOTES:** None

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:** Replaces issue dated 09/01/16

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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