

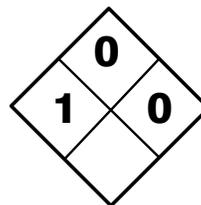
SAFETY DATA SHEET

Turf Fuel Element 6

Date: 05/01/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Turf Fuel Element 6
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-P-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 A
Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3



Signal Word: **Warning**

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.

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 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 | 13.00% |
| Silicon Dioxide | 7631-86-9 | 3.00% |
| Blackstrap Molasses | 8052-35-5 | 34.30% |
| Fulvic Acid | 479-66-3 | 1.50% |
| Ammonium Propionate | 79-09-4 | 1.50% |
| Yucca schidigera | 223749-05-1 | 8.30% |

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: Flush eyes with clean running water for at least 15 minutes. If irritation persists, get medical 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: This blended liquid fertilizer is a mixture of Urea-Ammonium-Nitrate solution, plant extracts, fulvic acid, blackstrap molasses, and ammonium propionate. Nausea and vomiting could be expected upon large dose ingestion. The acute ingestive effects are described as nausea, chills, and diarrhea.

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION:

| | |
|--------------|---------------------|
| <u> 1 </u> | HEALTH |
| <u> 0 </u> | FLAMMABILITY |
| <u> 0 </u> | REACTIVITY |
| <u> 0 </u> | OTHER |

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> | HEALTH |
| <u> 0 </u> | FLAMMABILITY |
| <u> 0 </u> | REACTIVITY |
| <u> 0 </u> | OTHER |
| <u> H </u> | PPE |

IN CASE OF FIRE: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Remove container from fire area

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are non-toxic and non-irritant

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

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: 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

| | | | |
|-----------------------------------|--|---|--|
| APPEARANCE: | brown liquid | FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER: | Not applicable |
| | | LOWER: | Not applicable |
| ODOR: | seaweed/ vinegar smell | VAPOR PRESSURE (mmHg):@ | F: Not established |
| ODOR THRESHOLD: | Not established | | C: Not established |
| PHYSICAL STATE: | Liquid | | |
| pH AS SUPPLIED: | 5.4 | 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) | 1.26 |
| | | BULK DENSITY | 10.5 lbs / 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 applicable |
| FLASH POINT: | F: Not established C: Not established | DECOMPOSITION TEMPERATURE: | C: Not established |
| | | | |
| | | VISCOSITY:@ | F: Not established C: Not established |
| METHOD USED: | Not applicable | | |
| FLAMMABILITY (solid, gas): | Not applicable | | |

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

| | | | |
|-----------------------------------|-----------------|----------------------------------|--|
| TOXICOLOGICAL INFORMATION: | Not established | Acute Oral LD50(rat): | Not established |
| | | Acute Dermal LD50 (rabbit): | Not established |
| MIXTURE TOXICITY | Not established | Eye Irritation (rabbit): | Non-irritant in rabbits. |
| | | Skin Irritation(rabbit): | Non-irritant in rabbits. |
| | | Inhalation LC50(rat): | Not known |
| COMPONENT TOXICITY | | Skin Sensitization (guinea pig): | Not established |
| | | Carcinogenic Potential: | None listed in OSHA, NTP, IARC, or ACGIH |
| | Not established | | |
| SECTION 11 NOTES: | 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): 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: Not listed

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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