

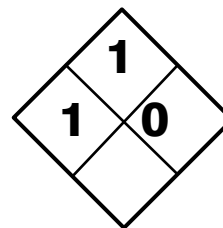
# SAFETY DATA SHEET

Turf Fuel Abyss

Date: 05/01/17

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** Turf Fuel Abyss  
**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** Proprietary blend of Di-sulfonsuccinate Surfactants  
**CHEMICAL FAMILY** Mixture  
**CHEMICAL FORMULA** Liquid  
**PRODUCT USE** Wetting Agent  
**SECTION 1 NOTES** None



## SECTION 2: HAZARDOUS INGREDIENTS

### GHS Ratings:

#### Toxicity Categories

Skin corrosion/ irritation Category 2  
Serious eye damage/ eye irritation Category 1

### 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.  
P264 Wash hands thoroughly after handling.  
IF ON SKIN: wash with plenty of soap and water.

**Signal Word:** **Danger**

### GHS HAZARDS

H315 Causes skin irritation  
H318 Causes serious eye damage



### Hazards Not otherwise classified

NONE

### 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.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy.  
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.

## SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Proprietary blend of		
Di-sulfonsuccinate Surfactants	Mixture	10 - 40%

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 -** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN CONTACT -** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**INGESTION -** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION -** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

**SECTION 4 NOTES:** FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-535-5053. Have the product label with you when calling a poison control center or doctor, or going for treatment. Swallowing may cause nausea and diarrhea.

**SECTION 5: FIRE FIGHTING MEASURES**

**NFPA HAZARD CLASSIFICATION:**

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

<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>B</u>	<b>PPE</b>

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

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Wear self-contained breathing apparatus and protective clothing in fighting fires involving chemicals.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**SECTION 5 NOTES:** Combustion can result in formation of Carbon monoxide, carbon dioxide, sulfur oxides and various hydrocarbons.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:** STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill; absorb liquids by covering with clay or other absorbent material and place in container for disposal. Flush area with water to remove trace residue. Contain runoff from residue flush and dispose of properly. Place in container for proper 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:** Wash hands before eating, drinking, using tobacco or using the toilet. Remove clothing if product is spilled or gets inside.  
Then wash thoroughly and put on clean clothing.

**STORAGE:** Store in a cool, dry place. Store in original container. Keep container tightly closed. Do not contaminate water, food or feed by storage or disposal. Do not store below 40 degrees.

**SECTION 7 NOTES:** None

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**VENTILATION:** Use adequate ventilation.

**RESPIRATORY PROTECTION:** None needed under normal use conditions and adequate ventilation. If mists are irritating, a NIOSH approved respirator for organic mists and vapors can be worn..

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing. Wear impervious rubber or chemical-resistant gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Suitable washing facilities should be available near work area.

**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 Not established ACGIH TLV-TWA Not established

**SECTION 8 NOTES:** None

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	clear to slightly yellow liquid	<b>FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER:</b>	Not established
		<b>LOWER:</b>	Not established
<b>ODOR:</b>	no odor	<b>VAPOR PRESSURE (mmHg):@</b>	F: Not established
<b>ODOR THRESHOLD:</b>	Not applicable		C: Not established
<b>PHYSICAL STATE:</b>	Liquid		
<b>pH AS SUPPLIED:</b>	4.0	<b>VAPOR DENSITY (AIR = 1):@</b>	F: Not established
<b>pH (Other):</b>	Not established		C: Not established
<b>INITIAL BOILING POINT:</b>	F: 214 F C: 101.1 C	<b>RELATIVE DENSITY: (Specific Gravity)</b>	1.00 g/ml
		<b>BULK DENSITY</b>	9.51 lbs/gal.
<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>	Soluble
<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: 266 F C: 130 C	<b>AUTO-IGNITION TEMPERATURE:</b>	F: Not established
		<b>DECOMPOSITION TEMPERATURE:</b>	C: Not established
<b>METHOD USED:</b>	PMCC	<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):** Extremely high temperatures.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid contact with strong oxidizing agents and bases.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon monoxide, carbon dioxide, sulfur oxides and various hydrocarbons.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID (POLYMERIZATION):** None known.

**SECTION 10 NOTES:** None

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGICAL INFORMATION:</b>	Acute Oral LD50(rat): >3000 mg / kg	Acute Dermal LD50 (rabbit):	>10,000 mg / kg
<b>MIXTURE TOXICITY</b>	Eye Irritation rabbit): Mildly irritating	Skin Irritation(rabbit)	Not established
<b>COMPONENT TOXICITY</b>	Inhalation LC50(rat): Not known	Skin Sensitization (guinea pig):	Not sensitizing
<b>SECTION 11 NOTES:</b>	None	Carcinogenic Potential:	None listed in OSHA, NTP, IARC, or ACGIH

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Do not use near water. Not for aquatic use. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

**ECOTOXICITY:** Proprietary blend of Di-sulfosuccinate surfactants: 96 hr Danio rerio 49 mg/L, 48 hr EC50 daphnia magna 6.6 mg/L, 72 hr EC50 Desmodemus subspicatus 22 mg/L.

**BIOACCUMULATIVE POTENTIAL:** The BCF is estimated to be 1.9.  
**MOBILITY IN SOIL:** Not available  
**OTHER ADVERSE EFFECTS:** Not available  
**SECTION 12 NOTES:** None

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Wastes may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrcycle.org/>.

**RCRA HAZARD CLASS:** Not listed

**SECTION 13 NOTES:** Do not contaminate water, food or feed by storage or disposal.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**DOT Shipping Description:** Not regulated.

**U.S. Surface Freight Classification:** Adhesives, Adjuvants, Spreaders Or Stickers (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

**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 Regulated

**SARA TITLE III (SUPERFUND AMENDMENTS AND**

<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 does not contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

**SECTION 15 NOTES:**

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:** Issue date - 08/09/16

PREPARED BY: Registrations and Regulatory Affairs

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