

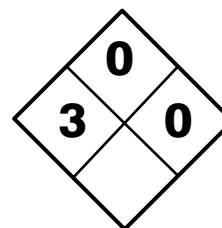
SAFETY DATA SHEET

Turf Fuel The Works Foliar Adjuvant

Date: 05/01/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Turf Fuel The Works Foliar Adjuvant
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 Blend of Propionic Acid, Lecithin, Fatty Acid and Proprietary mixtures
CHEMICAL FAMILY Acidifying surfactant
CHEMICAL FORMULA Liquid mixture
PRODUCT USE Surfactant adjuvant
SECTION 1 NOTES None



SECTION 2: HAZARDOUS INGREDIENTS

GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation Category 2
Serious eye damage/ eye irritation Category 1
Acute toxicity (Inhalation) Category 4

GHS PRECAUTIONS

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe dust/fume/gas/mist/vapor/spray.
P264 Wash hands, face and other affected areas thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.



Signal Word: **Danger**

GHS HAZARDS

H315 Causes skin irritation
H318 Causes serious eye damage
H335 May cause respiratory irritation.
H332 Harmful if inhaled

RESPONSE STATEMENTS

P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P305+P310 IF IN EYES: Immediately call a POISON CENTER or doctor/physician.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment is urgent (see Section 4 on this label).
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazards Not otherwise classified

SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Organic and Inorganic Acids /		
Detergents and Surfactants	Mixture	35.00%
Other Ingredients	Mixture	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: Immediately call a POISON CENTER, doctor or physician. Rinse cautiously with water for several minutes. Remove contact lenses if present, after the first 5 minutes, then continue cautiously rinsing eye.
- SKIN CONTACT -** IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.
- INGESTION -** IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
- INHALATION -** IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible. Call a POISON CENTER, doctor or physician if you feel unwell.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: NPCC 1-800-222-1222 or 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:**

3	HEALTH
0	FLAMMABILITY
0	REACTIVITY
	OTHER

Hazard Scale

0	Least
1	Slight
2	Moderate
3	High
4	Severe

HMIS HAZARD RATING:

3	HEALTH
0	FLAMMABILITY
0	REACTIVITY
0	OTHER
H	PPE

IN CASE OF FIRE: In case of fire: Toxic fumes may be emitted in a fire situation. Use Foam, Dry Chemical, CO2, Water Spray to extinguish. - NO SMOKING.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire exposed containers can build up pressure and should be kept cool with water spray if possible.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.

SECTION 5 NOTES: FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: SMALL SPILL: Immediately pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Wash the contaminated area with detergent and soap solution. Check local, state, and federal regulations for proper disposal. LARGE SPILL: Immediately dike around the spill area to prevent spreading. Pick up spilled material with suitable absorbent material and place in appropriate container for disposal. Scrub the contaminated area with a detergent or soap solution. Place it and unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

SECTION 6 NOTES: Any amount, even very small amounts, of product combined with water is an extreme slip hazard.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with eyes and contact with skin. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

VENTILATION: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

RESPIRATORY PROTECTION: Work in a well ventilated area; exposure to airborne contaminants is not expected to cause concern. If ventilation is inadequate, a respirator is recommended to protect against spray mist. Wear a NIOSH/OSHA approved respirator.

EYE PROTECTION: Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.

SKIN PROTECTION: Wear chemical resistant gloves such as Viton or barrier laminate, Coveralls over long-sleeved shirt, long pants and chemical resistant footwear plus socks. Chemical resistant headgear for overhead exposure. When exposed to product concentrate, wear a chemical resistant apron. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk from the work area per ANSI Z358.1-1990

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 Proponic Acid PEL - 10 ppm /8hr 30 mg/m3 STEL - 15 ppm / 15min
ACGIH TLV-TWA Not established

SECTION 8 NOTES: If exposer occurs, see section 4 for acute exposure first aid.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear	FLAMMABLE LIMITS IN AI UPPER (% BY VOLUME) LOWER:	Not Available Not Available
ODOR:	Soapy	VAPOR PRESSURE (mmHg):@	F: Not Available C: Not Available
ODOR THRESHOLD:	Not Available		
PHYSICAL STATE:	Liquid		
pH AS SUPPLIED:	< 1	VAPOR DENSITY (AIR = 1):@	F: Not Available C: Not Available
pH (Other):	Acidic		
INITIAL BOILING POINT:	F: Not Available C: Not Available	RELATIVE DENSITY: (Specific Gravity) BULK DENSITY	1.1383 g/ml 9.5 lbs / gal
BOILING POINT RANGE:	F: Not Available C: Not Available	EVAPORATION RATE: BASIS (butyl acetate=1):	Unknown
MELTING POINT:	F: Not Available C: Not Available	SOLUBILITY IN WATER:	Dispersible
		PARTITION COEFFICIENT: (n-octanol/water):	Not Available
FREEZING POINT:	F: Not Available C: Not Available	AUTO-IGNITION TEMPERATURE:	F: Not Available
FLASH POINT:	F: Not Available C: Not Available	DECOMPOSITION TEMPERATURE:	C: Not Available
		VISCOSITY:@	F: Not Available C: Not Available
METHOD USED:	Not Available		
FLAMMABILITY (solid, gas):	Not applicable		

SECTION 9 NOTES:

Note: 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): None known.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None known.

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

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

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 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Ecotoxicity information is not available. This product is not for use in aquatic settings.

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations.

CONTAINER DISPOSAL: Do not reuse product containers. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: Not listed

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: UN2834, Corrosive Liquid, N.O.S., (contains phosphorous acid), 8, PGIII, ERG #154. For containers less than 66 lbs (30 KG) use: Limited Quantity 49CFR 173.154(b).

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 311/312 HAZARD CATEGORIES)

Acute Health Hazard	<u>YES</u>
Chronic Health Hazard	<u>YES</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: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Date of Preparation: 05/02/2017

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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