PARK WEST | Shaping Your Environment

Notice of Fertilizer Application

Date of Application: November 16th

Location – Crossings Park

Reason for application – Health of Turf grass

Product Manufacturer Name – Products below and Granular Humate

Product Manufacturer Name – Organic Approach Hyphalink Nourish
Active ingredient : Soluble humate – soluble seaweed extract, beneficial bacteria and essential plant vitamins
Keep out of the reach of children – hypha link Nourish is a plant based mixture of soluble Humate, soluble seaweed extract, beneficial bacteria, and essential plant vitamins. It is designed to be an effective biological food substrate for use on all types of plants and all types of soils
Product Manufacturer Name – Therm X 70
Active ingredient : Saponin Extracted from Yucca Schidigera 20%
Warning: Harmful is swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Causes moderate eye irritation. Avoid eye contact with eyes, skin, or clothing. Wear (specific protective eyewear, protective clothing and gloves if appropriate).
Product Manufacturer Name – Elm Dirt Bloom Juice
Active ingredient : .05-.01-.01
Not for human consumption – made from food waste and from other natural renewable resources, derived from worm casting, fish meal, alfalfa meal, hydroxyapatite, kelp meal
hazard Group: Health
Hazard Classes: Potential skin irritant and skin sensitizer (Category 1B)
Hazard Statements
H305: May be harmful if swallowed and enters airways
H316: Causes mild skin irritation

HyphaLink Nourish is a plant-balanced mixture of soluble humate, soluble seaweed extract, beneficial bacteria, and essential plant vitamins. It is designed to be an effective biological food substrate for use on all types of plants and in all types of soils.

Recommended Dilution Ratios:

3 teaspoons = 1 tablespoon
1 tablespoon = ½ dry ounce

HyphaLink Nourish	Vol. of Water
2 teaspoons (9.45 g)	1 gallon
10 teaspoons (47.25 g)	5 gallons
16 tablespoons (8oz)	25 gallons
1 pound	50 gallons
2 pounds	100 gallons
4 pounds	200 gallons

Keep out of the reach of children

Notice: It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to factors that are beyond the control of Organic Approach or the seller. The buyer or user shall assume all such risks.

Warranty Disclaimer: Organic Approach warrants this product conforms to the description on its label and is reasonably fit for the purposes described on its label. In no event shall Organic Approach or the seller be held liable for any incidental, consequential, or special damages resulting from the use or handling of this product. The exclusive remedy of the buyer or user for all claims shall be the return of the purchase price of the product.

ORGANIC APPROACH®

HyphaLink Nourish

Biological Plant Supplement

100% Soluble Formula

HyphaLink Nourish is not a plant food

Contains Soluble Humate, Soluble Seaweed Extract, Beneficial Bacteria, and Essential Plant Vitamins

Organic Approach
128 Weaver Road
Lancaster, PA 17603
(717) 299-2112
www.organicapproach.com

Net Weight: 50 lbs.

DO NOT STORE IN DIRECT SUNLIGHT

Description For Use:

HyphaLink Nourish is compatible with most materials, except those with a very low pH (less than 4.0). It is not compatible with calcium nitrate (sodium nitrate is ok). To be safe, an initial jar test is always recommended when mixing this product with companion materials for the first time.

HyphaLink Nourish is designed to be an easy to use product that provides a balanced ratio of each ingredient when diluted with water. To retain its original purity keep the container tightly sealed between uses. Dilute only as much concentrate as needed for each use. We suggest pre-mixing the powder with water in a separate container before adding it to the final spray tank to ensure maximum dissolution, especially in cold water.

HyphaLink Nourish is suitable for conventional liquid foliar and irrigation water applications. It does not need to be watered in for efficacy. It is not recommended to use this product through drip tape unless it is filtered through a 200-mesh screen first.

When possible, foliar applications should be made in the morning hours to reduce leaf surface drying time and minimize the potential for encouraging disease activity.

At higher concentrations in solution, this product has the *potential* to stain or tint surfaces, such as concrete walks/drives, fencing, siding, plant foliage, flower petals, etc. Always test a small area when using the product for the first time to determine if there is any coloration the way you wish to use the product. If necessary, reduce the concentration in water until you find the threshold of acceptable coloration for your unique circumstances.

Turf, Fairways, Greens, and Tees	
Rate Per Acre	Frequency
5 dry ounces	once per week
10 dry ounces	every two weeks
20 dry ounces	once per month
32 dry ounces	max one-time rate

Woody Ornamentals and Vegetative Crops	
Rate per 100 gallons	Frequency
8 ounces	once per week
16 ounces	every two weeks
32 ounces	once per month
The best results are always achieved by using lower rates at more frequent intervals.	

Pastures and Forage Crops	
Rate Per Acre	Frequency
1 pound	per application
For best results, the grass/crop should be 8" or higher at the time of application.	

Other Applications	
Rate per gallon	Frequency
Potted Plants – ½ tsp	every 1-2 weeks
Transplants – 2 tsp	foliar and root soak

ThermX 70™

SOIL CONDITIONER

Natural Wetting Agent

OMRI LISTED

DIRECTIONS FOR USE:

Soil: Use one pint (16 oz.) per acre.

Problem Soil: For saline, alkali, and water penetration problems, use 1 quart (32oz.) per acre, first application.

Row Crops: Mix with starter or side dress fertilizer. Can also be metered into first irrigation water.

Trees and Vines: Dilute in sufficient water for coverage and spray soil surface to be irrigated or meter into first irrigation water.

Plants: Use eight fluid ounces (8 oz.) per 100 gallons of water to reduce surface tension and improve wetting in agricultural sprays.

Transplants: Mix with transplant water to apply one pint (16 oz.) per acre.

ACTIVE INGREDIENT:

By Wt. 20%.....Saponin extracted from Yucca schidigera.

INACTIVE INGREDIENT:

By Wt. 80%.....Other water soluble substances extracted from Yucca schidigera

100%

* If foaming is a problem, use an anti-foam agent in the spray formulation or fertilizer solution.

CA REG. NO.: 1051166-50001

NOT A PLANT FOOD INGREDIENT

Manufactured for AMERICAN EXTRACTS

P.O. Box 156 • Strathmore, CA 93267

Toll Free: 866-327-9000 • Website: www.americanextracts.com

SAFE HANDLING OF PRODUCT

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear (specific protective eyewear protective clothing, and gloves if appropriate).

FIRST AID:

If swallowed: 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 by a poison control center or doctor. Do not give anything to an unconscious person.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

If in eyes: 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. Call a poison control center or doctor for treatment advice.

Notice To Buyer:

Seller makes no warranty, expressed or implied, concerning the uses of this product other than indicated on this label. Buyer assumes all risk of use or handling of this material when such use and/or handling are contrary to the label instructions.

Information regarding the contents and levels of material in this product is available at the Oregon Dept. of Agriculture Internet site: http://oda.state.or.us/fertilizer

GALLONS:

LITERS:

LOT No.:

ELM DIRT
TOGETHER WE GROW

Organic Landscapes

Build Resilient Landscapes with Soil-First Solutions

For years, Florida landscapers have relied on synthetic fertilizers to create the lush, green lawns their clients demand. But now, the reality is changing—fertilizer bans restrict applications during peak seasons, runoff pollution is fueling toxic algae blooms, and traditional products are becoming more expensive.

Nitrogen fertilizers play a crucial role in agriculture, but their efficiency remains low, with only about 40% being effectively used by crops. This inefficiency leads to both economic and environmental challenges. Soils with high mineral absorption capacity but low organic matter struggle to supply enough bioavailable nitrogen to plants. However, increasing particulate organic matter (POM) inputs can improve mineral-associated organic matter (MAOM) nitrogen availability, supporting better soil fertility. Unfortunately, heavy applications of inorganic nitrogen fertilizers can disrupt this natural balance by altering microbial communities and enzyme activities, ultimately reducing the soil's ability to retain and cycle nitrogen effectively.

Excessive fertilizer use can weaken plant-microbe interactions, decrease beneficial fungi like mycorrhizae, and accelerate soil acidification through nitrification. In contrast, using organic fertilizers and inoculants has been shown to enrich MAOM nitrogen pools and promote sustainable nutrient cycling. Applying fertilizers in moderation encourages plants to develop stronger root systems and build beneficial relationships with microbes, leading to healthier soils and improved nitrogen efficiency. By adopting balanced fertilization strategies, you can enhance plant productivity while maintaining long-term soil health.

Elm Dirt's organic turf management system and organic products isn't just another gimmick—it's a game changer. With 250+ beneficial microbial species, natural nitrogen cycling, and enhanced root growth, this system outperforms traditional fertilizers while eliminating harmful runoff.
You don't have to fight against regulations—you can work with them to build a more resilient, profitable business. By switching to Elm Dirt, you're not just keeping your lawns green—you're saving Florida's waters, reducing your costs, and future-proofing your business against tightening restrictions.

Don't wait for another regulation to force your hand. Make the change today and take control of your future.

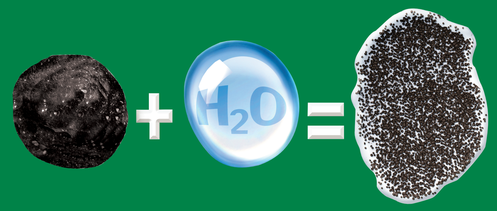
www.elmdirt.com

The Andersons®

Humic DG™

- **Humate may increase or enhance micronutrient uptake**
- **Easy to apply spherical, uniform, low dust formulation**
- **Can be blended with fertilizers or used alone**
- **Self incorporates with irrigation or rainfall**

OMRI LISTED
For Organic Use



AndersonsHumates.com

Net Weight 40 lbs. (18.14 kg)

Humic DG™

The Andersons®

The Andersons® **Humic DG™**

CONTAINS NON-PLANT FOOD INGREDIENT
Soil amending ingredient
Humic Acid (derived from leonardite).....70%
Total Other Ingredients (inactive components of leonardite, proprietary binding agent, water).....30%

F002091

U.S. Patent No. 8,388,722

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.html

WARNING
MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

PRECAUTIONARY STATEMENTS
Call a poison center/physician if unwell. Wash hands after handling. Use only outdoors or in well ventilated areas. Avoid breathing dust. Store container tightly closed. Dispose of contents/container in accordance with national/regional/local regulations.

FIRST AID
If swallowed: If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.

If on skin: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

If in eyes: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

If inhaled: Move victim to fresh air. Seek medical attention if irritation persists.

GENERAL INFORMATION
Humic DG is a uniform granule which utilizes The Andersons proprietary dispersible granule (DG) technology. Each granule will disperse into thousands of particles with irrigation or rainfall, facilitating incorporation of the product into the soil. The hard granule has a low moisture and dust content, allowing it to be easily blended with other components, such as urea-based fertilizers.

Humic acid products, such as Humic DG may increase or enhance micronutrient uptake while improving and replenishing depleted soils.

DIRECTIONS FOR USE
Apply as directed or as advised by your Andersons representative or local agronomist. Some situations will require higher use rates and/or more frequent applications to produce significant benefits.

For best results, after application, water area with a minimum of 0.3 inches of water. Product will self-incorporate into coarse textured soils. Cold weather and/or cold water (lower than 45ºF / 7ºC) can result in slower particle dispersion.

Humic DG can be applied to all crops, including vegetable crops, row crops, herbs and field crops; trees; shrubs; vines; turf; ornamentals; nursery; xeriscaping; garden landscaping and potting soils.

CROPS (BROADCAST) – Apply at 40 pounds per acre or higher as a broadcast treatment, one to two times annually. Best when applied in fall, post-harvest or early spring. May be used at pre-plant up to first blossom or anytime fertilizer is applied. For severely carbon depleted soils, apply 40-500 pounds per acre.

CROPS (IN-FURROW/BANDED) – Apply 4 -10 pounds per acre in-furrow or as a banded treatment.

TURF - Apply 40-200 pounds per acre per year. Apply 1-2 lbs. per 1,000 sq. ft. anytime during the growing season. Can be applied after aeration as a top-dress treatment. If desired, mix with the sand media. Apply and water-in for self incorporation. Make additional applications to deficient areas.

TREES, SHRUBS – Apply 2-8 oz. as a band around the base of each tree or shrub. Larger trees and shrubs should use the higher rate.

ORNAMENTALS AND BEDDING PLANTS – Apply 1-2 pounds per 1,000 sq. ft. as a broadcast treatment in ornamental landscaping and garden areas.

POTTING SOILS – Mix 2-10 lbs. per cubic yard of potting mix.

Suggested Spreader Settings
These suggested spreader settings are not intended to replace calibration.
Please calibrate your spreader before applying product.
40 lbs. feeds 40,000 sq. ft. (0.92 acre) at the LOW RATE
40 lbs. feeds 20,000 sq. ft. (0.46 acre) at the MEDIUM RATE
40 lbs. feeds 10,000 sq. ft. (0.23 acre) at the HIGH RATE

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 1.0 lbs/1,000 sq.ft.	MEDIUM RATE 2.0 lbs/1,000 sq.ft.	HIGH RATE 4.0 lbs/1,000 sq.ft.
Andersons Model 2000 (cone 3); Andersons 2000 SR (cone 3); Andersons LCO 1000	3 mph	8 feet	J	K 1/2	M 1/4
Agri-Fab Rotary (1-10)	3 mph	•	2 1/2	3 1/2	5 1/2
Agri-Fab Drop (1-10)	3 mph	overlap wheels	2 1/2	3 1/2	5 1/2
EarthWay Rotary	3 mph	•	11	13	15
EarthWay Drop	3 mph	overlap wheels	11	13	15
Lesco Rotary (pattern 0.5) Letters/Numbers	3 mph	6 feet	D / 10	E /12	G /16
Lely Models WTR, WFR, HR, (1250 PTO at 450 RPM) Pattern II-C	4.5 mph	34 feet	4	5	6 1/2
Scotts Rotary (2-15)	3 mph	4 feet	3	4	6
Scotts Drop	3 mph	overlap wheels	5	6	8
Vicon (03 series)	4.5 mph	20 feet	16	24	33

*Width of coverage can vary depending on spreader model.

IMPORTANT: READ BEFORE USE:
Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY:
Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of U.S.A. **Net Wt. 40 lbs. (18.14kg)**

Manufactured by:
The Andersons, Inc.
P.O. Box 119 | Maumee, Ohio 43537
www.AndersonsHumates.com

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For Organic Use

10005955
(ASPHUDG40.1)
30000771

Humic DG is a trademark of The Andersons, Inc. **070119**

FPO
0 31865 31979 2

The Andersons®

Humic DG™

THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 4/9/24 CURRENT AS OF: 4/9/24

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10000971, 10005306, 10005431, 10005310, 10005311, 10005307, 10005308, 10005332, 10005430, 10005434, 10005560, 10005944, 10005946, 10005947, 10005948, 10005949, 10005950, 10005951, 10005955, 10005956, 10005957, 10005959, 10005962, 10005961, 10005964, 10005966, 10005968, 10005969, 10006591, 10007566, 10008561, 10008960

PRODUCT NAME: HUMIC DG™

PRODUCT USE: Fertilizer

MFR INFO: The Andersons, Inc.
PO Box 119
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:	CATEGORY	INTERPRETATION
ACUTE TOXICITY	5	Low
SKIN IRRITATION	3	Mild
EYE IRRITATION	2B	Promptly Reversible
TARGET ORGAN SYSTEMIC TOXICITY	3	Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING DUST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	SYNONYM	CAS NUMBER	CONCENTRATION (%)
Humate		Mixture	80-90
Calcium lignosulfonate		8061-52-7	10-20

SECTION 4: FIRST AID MEASURES

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists.

IF ON SKIN: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

IF IN THE EYES: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material. Seek immediate medical attention.

SPECIAL TREATMENT: None known

HEALTH HAZARDS: See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Use media suitable for surrounding fire. No special media required.

SPECIFIC FIRE HAZARDS: Decomposition products may be toxic.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120^{o} F.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Humate	15 mg/m^3 (total) 5 mg/m^3 (respirable)	10 mg/m^3 (inhalable) 3 mg/m^3 (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved particulate respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield recommended
SKIN PROTECTION:	Long sleeves, cotton gloves recommended
VENTILATION:	Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Dark red / brown granules, with slight odor
pH:	Not available
MELTING POINT:	Not available
BOILING POINT:	Not applicable
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not applicable
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
SPECIFIC GRAVITY:	Not applicable
SOLUBILITY (IN WATER):	Partially soluble
PARTITION COEFFICIENT:	Not applicable
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:	May be irritating to the nose, throat, and respiratory tract. Skin irritation may result. May also be irritating to the eyes.
CARCINOGENICITY:	None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL:	> 6,000 mg/kg (humate)
DERMAL:	Not available
INHALATION:	Not available

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0
HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

PREPARED BY: SS

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.

ORGANIC LANDSCAPE MAINTENANCE SIMPLIFIED

Plant Juice

- 291 species of bacteria and fungi
- Reduces stress and increases vigor
- Increases nutrient availability naturally
- Verified 2x root mass development
- Feeds microbes for long-term soil health

Bloom Juice

- Diverse microbes support blooming and fruiting phases of plant growth
- Extends flowering periods
- Improves stress tolerance
- Enhances plant access to key nutrients

Ancient Soil

- Worm castings, bio char, sea kelp, bat guano, azomite
- Supports natural nutrient breakdown
- Enhances aeration and moisture retention
- Builds long-term soil fertility

Bloomin Soil

- Worm castings and other natural ingredients power better blooms
- Top dressing for flower beds
- Supplies slow-release organic nutrients
- Helps plants resist disease and pests

- Year-Round Use: Elm Dirt's Plant and Bloom Juice are exempt from Florida's bans, meaning you can apply them even during restricted months.
- Reduced Water Usage: Stronger roots mean lawns require up to 30% less water.
- Stronger, Healthier Turf: Verified 2x root mass development ensures resilient lawns.
- Environmental Responsibility: By reducing synthetic nitrogen and phosphorus applications you help prevent runoff pollution and protect Florida's waterways.

STORAGE & HANDLING	
Temperature Range	50-110°F
Storage	Indoor storage out of direct sunlight
Shelf Life	1 year from manufacture date
Tank Mix Window	24-hour application window

www.elmdirt.com

ELM DIRT

Safety Data Sheet

Section 1: Identification

Product Name: Elm Dirt Bloom Booster
Common Name(s): Bloom Booster, Bloom Juice
Product Code: N/A
CAS #: N/A
Restrictions: N/A
Recommended Use: Fertilizer

Manufacturer: Elm Dirt LLC
Physical Address: 14210 Norby Rd. Grandview, MO 64030
Mailing Address: 14210 Norby Rd. Grandview, MO 64030
Telephone Number: 913-620-8974
Emergency #: 800-234-5932

Section 2: Hazard Identification



Hazard Group: Health
Hazard Classes: Potential skin irritant and skin sensitizer (Category 1B)
Hazard Statements

- H305: May be harmful if swallowed and enters airways
- H316: Causes mild skin irritation
- H317: May cause an allergic skin reaction
- H333: May be harmful if inhaled
- H335: May cause respiratory irritation

Precautionary Statements
Prevention

- P264: Wash skin thoroughly after handling
- P261: Avoid breathing
- P280: Use nitrile gloves under normal conditions

Response

- P302: If on skin: wash with plenty of soap and water
- P304: If inhaled: remove person to fresh air and keep comfortable for breathing
- P305: If in eyes: rinse cautiously with water for several minutes
- P333: If skin irritation or rash occurs, wash area thoroughly and receive medical attention

Storage

- P402: Store in a dry, dark place. Avoid excessive humidity or moisture.

Disposal

- P501: Dispose of contents in a compost pile, garden, or landfill in accordance with local, state, and federal regulations.

Section 3: Composition/Information on Ingredients

Ingredients:	worm castings, dechlorinated water, kelp meal, fish meal, bone meal, seabird guano, humic acid, yucca, magnesium sulfate, silica, predigested sugars, lactobacillus extract, calcium extract
CAS #:	N/A
NIOSH Registry #:	Not Registered

Section 4: First-Aid Measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing. If respiratory distress continues, seek medical attention.
Skin Irritation:	Wash with plenty of soap and water. If irritation persists, seek medical attention.
Eye:	Rinse cautiously with water for several minutes. If irritation persists, seek medical attention.
Ingestion:	If gastrointestinal distress occurs, seek medical attention.
Allergen:	This product may cause an allergic reaction. If an allergic reaction occurs, seek medical attention immediately.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Water, regular foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media:	None
Flash Point:	N/A
Specific Fire-Related Hazards:	None
Special Fire-Fighting Procedures:	None
Unusual Fire/Explosion Hazards:	None

Section 6: Accidental Release Measures

Personal Precautions:	Wear nitrile gloves during handling
Environmental Precautions:	None
Methods for Handling Spills:	In case of spill: handle using nitrile gloves Employ best-practice sanitation methods for clean-up. There are no special emergency procedures for clean-up

Section 7: Handling and Storage

Safe Handling: Wear gloves when handling and transporting. Avoid excessive humidity, contact with moisture, and extreme temperatures to retain product functionality. There are no known incompatibilities with this material.

Section 8: Exposure Control/Personal Protection

Exposure Limit: There are no exposure limits defined for this product.
Recommended PPE and Handling Practices

Respiratory:	Particle mask.
Skin Protection:	Nitrile gloves
Eye Protection:	Safety glasses
Hygiene:	Wash hands thoroughly with soap and water
Ventilation:	Ensure workspace is well-ventilated

Section 9: Physical and Chemical Properties

Appearance: Light brown liquid
Flammability Limits: Unknown
Odor: Strong earthy, sweet odor
Odor Threshold: Unknown
Vapor Pressure: Unknown
Vapor Density: Unknown
pH: 5.7-6.3
Relative Density: 15-20 lb/ft3

Melting Point: Unknown
Freezing Point: Unknown
Solubility in Water: Unknown
Initial Boiling Point: Unknown
Boiling Range: Unknown
Flash Point: Unknown
Evaporation Rate: N/A
Flammability: Unknown Viscosity: Unknown

Section 10: Stability and Reactivity

Reactivity: No specific test data is currently available
Chemical Stability: Product is stable under normal temperatures and conditions
Conditions to Avoid: Extreme temperatures and excessive moisture
Required Stabilizers: None
Incompatibility: None currently known
Hazardous Decomposition: None currently known
Hazardous Polymerization: Will not occur
Hazardous Reactions: None currently known

Section 11: Toxicological Information

Primary Routes of Exposure:	Inhalation, skin contact, and eye contact
Symptoms of Exposure:	May act as a slight irritant to the skin or respiratory system. Slight dermatitis may occur. Mild respiratory irritation and cough may occur. Possible allergic reactions in sensitive individuals. Rash and swelling may occur in skin. Mild respiratory distress and frequent coughing may occur. No studies currently known describing effects of delayed, immediate, or chronic effects from short- and long-term exposure.
LD50:	Currently unknown
Carcinogenicity:	Currently unknown

Medical Conditions Aggravated by Exposure: Allergic reaction may occur

Section 12: Ecological Information

Ecology:	Bloom Booster is derived from organic ingredients all naturally occurring
Ecological Effects:	There are no known ecological effects
Toxicity Testing:	Currently unknown
Bioaccumulation Potential:	Currently unknown

Section 13: Disposal Considerations

Disposal Containers:	There are no known restrictions on disposal containers
Disposal Methods:	Recommended disposal is use as fertilizer in a compost pile, garden, or other plant-based ecosystem. Alternatively, product may be disposed of in a landfill in accordance with local, state, and federal regulations.
Disposal Restrictions:	Can dispose through sewage systems.

Section 14: Transport Information

UN Number:	None assigned
UN Proper Shipping Name:	None assigned
Transport Hazard Class:	Non-hazardous
Environmental Hazards:	None known
Guidance on Bulk Transport:	Use best known practices when shipping in bulk
Special Precautions:	None known

Section 15: Regulatory Information

There are currently no known regulations of the product.

Section 16: Other Information

Preparation Date: 02/21/2022
Revision Date: 02/21/2022

Format: GHS Language: English (US)

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

Date of Preparation: 02/21/2022 Date of Revision: 02/21/2022

ThermX-70

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 08/08/2019 Date of Issue: 05/29/2015 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: ThermX-70

1.2. Intended Use of the Product

Use of the Substance/Mixture: Wetting agent for agricultural application.

1.3. Name, Address, and Telephone of the Responsible Party

Company
American Extracts
19994 Meredith Drive
Strathmore, CA 93267
Phone #: (559) 568-0500
americanextracts.com

Manufacturer
Cellu-con Inc.
19994 Meredith Drive
Strathmore, CA 93267
Phone #: (559) 568-0190

1.4. Emergency Telephone Number

Emergency Number : (559) 793-6590

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Not classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%
Yucca, extract	Extract, yucca / Yucca extractives / Yucca extract / YUCCA VERA EXTRACT / Yucca, extract (extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Yucca, agavaceae) / Yucca extractives (from Yucca, agavaceae)	(CAS-No.) 90147-57-2	70
Water	AQUA / Aqua	(CAS-No.) 7732-18-5	30

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion is not likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO_2).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Contains substances that are combustible dusts. If dried and allowed to accumulate, may form combustible dust concentrations in air that could ignite and cause an explosion. Take appropriate precautions.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None known.

7.3. Specific End Use(s)

Wetting agent for agricultural application.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment : Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : Wear protective gloves.

Eye and Face Protection : Chemical safety goggles.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Brown, Dark
Odor	: Slight sweet
Odor Threshold	: No data available
pH	: 4.5 - 6
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: 105 °C (221 °F)
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Density	: 10.7 lb/gal
Solubility	: Water: 100 %
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials: None known.

10.6. Hazardous Decomposition Products: None expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

Skin Corrosion/Irritation: Not classified
pH: 4.5 - 6
Serious Eye Damage/Irritation: Not classified
pH: 4.5 - 6
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion is not likely to be harmful or have adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Not required in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 13: DISPOSAL CONSIDERATIONS

Not required in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 14: TRANSPORT INFORMATION

Not required in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 15: REGULATORY INFORMATION

Not required in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision	: 08/08/2019
Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)

SAFETY DATA SHEET

Revised: 07/09/2018

1. IDENTIFICATION (SUBSTANCE/PREPARATION AND COMPANY)

Product Name: Hyphalink Nourish
EPA No: N/A
Product Identity: Biological Soil and Plant Health Supplement

Supplier/Manufacturer:
Organic Approach LLC
128 Weaver Rd
Lancaster, PA 17603
Phone: 1-717-299-2112
Email: info@organicapproach.com
Emergency telephone number: Chemtrec (Spill) 1-800-424-9300

2. HAZARDS IDENTIFICATION

OSHA Signal Word: Warning
Hazard Statements:
H302: Harmful if swallowed. (Category 4)
H315: Causes skin irritation. (Category 2)
H319: Causes serious eye irritation. (Category 2A)
H320: Causes eye irritation. (Category 2B)
H335: May cause respiratory irritation. (Category 3)
HB1: Microbial Product. No Hazard Statement

Pictogram:



Precautionary Statements for handling:
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305: If in eyes, rinse with water and seek medical attention if symptoms persist.
P330: Rinse mouth.
P362: Take off contaminated clothing and wash before reuse.
P301: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P352: IF ON SKIN: Wash with plenty of soap and water.
P351: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.
P313: If skin irritation occurs: Get medical advice/ attention.
P337: If eye irritation persists: Get medical advice/attention.
P405: Store locked up.
P403: Store in a well-ventilated place.
P233: Keep container tightly closed.
P501: Dispose of contents/container properly as required by law for waste pesticides. Keep out of reach of children
Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.
Hazards not otherwise classified (HNOC): None

Unknown acute toxicity: <1% of the mixture consists of ingredients of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Proprietary Blend of:		100%
Soluble Humate Extract	1415-93-6	
Soluble Seaweed Extract	84775-78-0	
Soluble Yucca Extract	90147-57-2	
Plant Vitamin Complex	n/a	

4. FIRST AID MEASURES

Eye Contact — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact — Wash with soap and water. If injury occurs, or if discomfort or irritation persists contact a physician.

Inhalation — If inhaled and discomfort occurs, move to fresh air, and keep person at rest in a position comfortable for breathing. If difficulty in breathing occurs and/or persists, administer oxygen and get medical attention. If medical advice is needed, have product container or label on hand.

Ingestion — Rinse mouth. Drink plenty of water. If you feel unwell, call a poison control center or seek medical attention. Do not induce vomiting of an unconscious person.

Self-protection of the first aider: Use any appropriate personal protective equipment as required for nuisance dusts.

Most important symptoms and effects, both acute and delayed: Nuisance dust irritation may occur with nasal discomfort under highly dusty conditions.
Eye irritation on contact with redness, tearing and burning sensation. Coughing, sneezing, or irritation of nose and throat.
Redness, itching, or burning sensation on skin with prolonged contact.

Indication of any immediate medical attention and special treatment needed: Treat Symptoms. Consult physician if discomfort or irritation persists.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing media suitable to local circumstances and the surrounding environment. Options in this case include water, CO_2, ABC Dry Chemical extinguisher, or foam. Avoid stirring up dust extinguisher stream.

Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire, do not breathe fumes.

Explosion data
Sensitivity to mechanical impact: None
Sensitivity to static discharge: None
Note: Excessive amounts of any burnable dusts can produce explosive mixtures if allowed to disperse in the air in confined areas where ignition sources occur. Prevent excessive dust dispersal in areas of use, storage, or production.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and standard protective (bunker) gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal Precautions	Use dust mask and gloves as needed or other reasonable personal protective equipment as required to prevent contact with eyes or skin. Remove ignition sources prior to clean-up. If in eyes, rinse cautiously with water for several minutes. If eye irritation persists: Seek medical advice. If in eyes, rinse cautiously with water for several minutes. If eye irritation persists: Seek medical advice. If experiencing significant respiratory symptoms: seek medical attention.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.
Methods for containment	Prevent further leakage or spillage, if safe to do so.
Methods for clean-up	Use dust mask and/or reasonable personal protective equipment as required to avoid breathing dusts. Moisten or cover powder spill with plastic sheet or tarp to minimize spreading. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Soak up excess with inert absorbent material. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Safe Handling	Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required to avoid breathing dusts or mists, and to prevent eye contact. Wash hands thoroughly after handling.
Storage Conditions	Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.
Incompatible Materials	Avoid strong acids or alkali, or other reactive substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Nuisance Dusts	10 mg/m3 (TWA- Total)	15 mg/m3 (TWA total) 50 mppcf (TWA total) 5 mppcf (TWA respirable)	Not Established

*IDLH refers to amounts that are "Immediately Dangerous to Life or Health"

Engineering controls: Use with adequate ventilation and follow safe work practices to prevent dust buildup in air.

Individual protection measures: Use personal protective equipment as required to avoid breathing dust/mist, and to prevent eye contact.

Eye protection	Provide face and eye protection: face shield and goggles recommended if face or eye contact is likely.
Skin and Body Protection	Gloves and standard work coveralls recommended
Respiratory Protection	Dust mask recommended for dusty or misty conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene	When using product, do not eat, drink or smoke. Wash hands thoroughly after handling.

Wash contaminated clothing before reuse.

Also see Precautionary Statements in Section 2

9. PHYSICAL AND CHEMCIAL PROPERTIES

Physical state	Dry
Appearance	Soluble Powder
Color	Dark Brown to Black
Odor	Non-Distinct
Odor Threshold	No information available
pH	8-10
Melting point/freezing point	Not applicable
Boiling point / boiling range	Not applicable
Flash point	No information available
Evaporation rate	Not applicable
Flammability	No information available
Vapor pressure	Not applicable
Vapor density	Not applicable
Water solubility	>98%
Solubility in other solvents	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	Not particularly reactive

10. STABILITY AND REACTIVITY

Reactivity
Not Reactive

Chemical stability
Stable

Possibility of Hazardous Reactions
May release heat and fumes when mixed in solution with incompatible reactive materials.

Hazardous polymerization
Will not occur.

Conditions to avoid
High heat, sparks and open flames, as some ingredients may be burnable.

Incompatible materials
Strong acids or alkali, or other reactive substances.

Hazardous Decomposition Products
May emit toxic fumes under fire conditions, such as Nitrogen oxides (NOx), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Ingestion, eyes (contact), skin (contact), dust inhalation

Symptoms	May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea. Eye irritation on contact with redness, tearing and burning sensation. Coughing,

	sneezing, or irritation of nose and throat. Redness, itching, or burning sensation on skin with prolonged contact.
Sensitization	No information available.
Germ cell mutagenicity	None known unless noted below in Other
Carcinogenicity	No information available.
Reproductive toxicity	The bacteria in this product are typically harmless strains, and are not associated with disease or infection of healthy people (Biosafety Level 1). However, use good hygiene practices. Handle as rich soil or compost. Nonporous gloves recommended. Wash hands thoroughly after handling. Avoid breathing dust. Persons with severely compromised immune systems should consult with their physician before handling microbial products.
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Chronic toxicity	No information available
Target Organ Effects	Lungs-Nuisance dusts
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

Persistence and degradability	No information available
Bioaccumulation	No information available
Other adverse effects	No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes:
Excess product should be used up according to label directions, to avoid disposal issues. Dispose of in accordance with Local, State, and Federal regulations.

Contaminated packaging
Dispose empty container with normal trash, unless prohibited by local regulations.

14. TRANSPORT INFORMATION

NMFC 68140-4 FERTILIZER COMPOUNDS (MANUFACTURED FERTILIZERS) NOI, DRY 20 OR GREATER PCF

DOT:	Not Regulated	**ADR:**	Not Regulated
Proper Shipping Name:	Not Regulated		
Hazard Class:	Not Applicable	**ADN**	Not Regulated
IATA:	Not Regulated	**RID:**	Not Regulated
Proper Shipping Name:	Not Regulated		
Hazard Class:	Not Applicable	**TDG**	Not Regulated
IMDG/IMO:	Not Regulated	**ICAO:**	Not Regulated
Hazard Class:	Not Applicable		
Marine Pollutant:	No	**MEX**	Not Regulated

IMDG:	Not a dangerous good.
ICAO/IATA:	Not a dangerous good.

15. REGULATORY INFORMATION

TSCA (USA): Complies.

General Product Information:	This product is not federally regulated as a hazardous material.
Clean Air Act:	No information is available.
Clean Water Act:	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

SARA 311/312 Hazard Categories:

Acute:	Yes
Chronic:	Yes
Fire:	No
Sudden release of pressure:	No
Reactive:	No

Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations:
California Proposition 65: This product does not contain detectable quantities of chemicals known to the State of California to cause cancer or birth defects, or other reproductive harm.

16. OTHER INFORMATION

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication, however, neither Organic Approach LLC, nor its affiliates makes any warranties, expressed or implied as to the accuracy or adequacy thereof. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

H317: May cause an allergic skin reaction
H333: May be harmful if inhaled
H335: May cause respiratory irritation
Precautionary Statements
Prevention
P264: Wash skin thoroughly a□er handling
P261: Avoid breathing
P280: Use nitrile gloves under normal conditions
Response
P302: If on skin: wash with plenty of soap and water
P304: If inhaled: remove person to fresh air and keep comfortable for breathing
P305: If in eyes: rinse cautiously with water for several minutes
P333: If skin irritation or rash occurs, wash area thoroughly and receive medical attention

*__Attached is the Label and SDS sheet__
__*Dates are subject to change due to weather__