

SAFETY DATA SHEET

NAME OF PRODUCT: **FourPlay**

FILE NO.: FP-2015Q2

Preparation Date: 01/21/2014

Revision: 05/22/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODES: ESL-FP
PRODUCT NAME: FourPlay
SYNONYMS: Product blend of Hydretain root zone moisture manager, Non-Ionic Surfactant, Potassium Humate, and Seaweed Extract

MANUFACTURER: Ecologel Solutions, LLC
ADDRESS: 4060 SE 45th Court, Ocala, FL 34480

EMERGENCY PHONE: (888) 545-6307
CHEMTREC PHONE: N/A
OTHER CALLS: (352) 620-2020
FAX PHONE: (352) 620-0312

PRODUCT USE: Ornamental Turf, Nursery, Landscape Management
PREPARED BY: E.F. Wilson III

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: This product is NOT classified as hazardous or toxic according to 29 CFR 1910(Subpart Z), amended to conform to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (OSHA / GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico); and/or the European Union "Classification, Labelling and Packaging" (CLP), Regulation (EC) 1272/2008.

Potential hazards associated with this product are below the threshold limits for categorization as a "Hazardous Chemical" under the OSHA/GHS standards noted above. As such, this product is not required to bear a GHS compliant label.

Health:	Environmental:	Physical:
Acute Toxicity: None Known (NK) Skin Irritation: Below Category 3 threshold Skin Corrosion: NK Eye Effects: Below Category 2(b) threshold Skin Sensitization in rare instances; NK Mutagenicity/Carcinogenicity: NK Reproductive/Dev.: NK	Acute Aquatic Toxicity: NK Chronic Aquatic Toxicity: NK	No Physical Hazards Present

Hazard Statements:	Precautionary Statements:
H316: Causes mild skin irritation H317: May cause an allergic skin reaction H320: Causes eye irritation H335: May cause respiratory irritation H303: May be harmful if swallowed	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 P262: Do not get in eyes, on skin, or on clothing P280: Wear protective gloves/protective clothing/eye protection/face protection P281: Use personal protective equipment as required P353: Rinse skin with water/shower

SECTION 2 NOTES:

DARK BROWN LIQUID. NO KNOWN TOXIC EFFECTS ASSOCIATED WITH PRODUCT.

SKIN ABSORPTION IS THE PRIMARY ROUTE OF ENTRY. PROLONGED CONTACT MAY PRODUCE IRRITATION AND ITCHING. SOME PERSONS MAY HAVE ALLERGIC REACTIONS IF SENSITIVE TO PLANT EXTRACTS. THIS PRODUCT CONTAINS A HUMECTANT AND IS ONLY SLIGHTLY IRRITATING TO THE EYES. MAY CAUSE SOME IRRITATION, REDDENING, AND/OR TEARING.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

A PROPRIETARY BLEND OF HYDRETAIN ROOT ZONE MOISTURE MANAGER (BLEND OF HUMECTANTS AND HYGROSCOPIC COMPOUNDS*), NON-IONIC SURFACTANT, POTASSIUM HUMATE, AND SEAWEED EXTRACTS.

*SUGAR ALCOHOLS, POLYSACCHARIDES, NEUTRAL SALTS OF ALPHA-HYDROXYPROPRIONIC ACID

*AS PER 29 CFR §1910.1200, THE SPECIFIC CHEMICAL IDENTITY AND/OR EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

SARA 313 REPORTABLE - ***NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND 40 CFR 372 ARE PRESENT.***

SECTION 2 NOTES:

SECTION 4: FIRST AID MEASURES

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

IF ON SKIN (OR HAIR): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: seek medical attention.

IF SWALLOWED: For small quantities (less than 2oz.) give large amounts of water or milk; induce vomiting. If large amounts are ingested, seek medical attention; may cause stomach discomfort and/or have a laxative effect.

Note to Medical Response Personnel: Lavage is indicated for ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NOT APPLICABLE, MIXTURE CONTAINS NO COMBUSTIBLE GASSES
(% BY VOLUME) **LOWER:** NOT APPLICABLE, MIXTURE CONTAINS NO COMBUSTIBLE GASSES

FLASH POINT:

F: SAMPLE BEGINS TO BOIL BUT NO FLASH IS OBSERVED

C: SAMPLE BEGINS TO BOIL BUT NO FLASH IS OBSERVED

METHOD USED:

AUTOIGNITION TEMPERATURE: NOT APPLICABLE, MIXTURE WILL NOT AUTOIGNITE

NFPA HAZARD CLASSIFICATION

HEALTH: NONE

FLAMMABILITY: NONE

REACTIVITY: NONE

OTHER: NONE

HMIS HAZARD CLASSIFICATION

HEALTH: NONE

FLAMMABILITY: NONE

REACTIVITY: NONE

PROTECTION: NONE

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIRE FIGHTING PROCEDURES: LIQUID MATERIAL DOES NOT BURN. EVAPORATED DRY MATERIAL WILL BURN. THERE ARE NO SPECIAL FIREFIGHTING PROCEDURES. COOL SEALED CONTAINERS TO REDUCE RISK OF RUPTURE DUE TO EXCESSIVE HEAT.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: IN CASE MATERIAL IS RELEASED OR SPILLED, FLUSH AND MOP WITH WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. WASTE DISPOSAL: ON SITE OR IN APPROVED WASTE DISPOSAL FACILITY. DO NOT CONTAMINATE FEED OR FOOD BY STORAGE OR DISPOSAL. OBSERVE ALL FEDERAL, STATE AND LOCAL LAWS.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: STABLE AT TEMPERATURES BETWEEN 40-95°F AND UNDER NORMAL LIGHT CONDITIONS. VERY STABLE WHEN KEPT IN CLOSED ORIGINAL CONTAINER IN A COOL PLACE. KEEP FROM FREEZING. DECOMPOSITION MAY OCCUR AT HIGH TEMPERATURES.

OTHER PRECAUTIONS: USE NORMAL SAFE HANDLING PROCEDURES AS WITH ALL CHEMICALS. SEE LABEL FOR APPLICATION INSTRUCTIONS AND DIRECTIONS FOR USE.

SECTION 7 NOTES: THIS MATERIAL IS BIODEGRADABLE AND NOT CONSIDERED HAZARDOUS. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. REGULATIONS MAY VARY DEPENDING ON JURISDICTION. DO NOT CONTAMINATE FEED OR FOOD BY STORAGE OR DISPOSAL.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE

VENTILATION : RECOMMEND LOCAL EXHAUST WELL VENTILATED.

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED DUE TO NO TLV ASSOCIATED WITH THIS PRODUCT. USE A NUISANCE CHEMICAL OR DUST MASK IF WORKING IN SPRAY MIST.

EYE PROTECTION: SPLASH PROOF GOOGLES ARE RECOMMENDED WHILE POURING AND HANDLING TO PREVENT EYE CONTACT FROM SPLASH.

SKIN PROTECTION: RUBBER GLOVES ARE RECOMMENDED FOR NORMAL CLEANLINESS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PLASTIC OR RUBBERIZED CLOTHING AND PROTECTIVE ANTI-SKID BOOTS SHOULD BE WORN FOR GOOD SAFE HYGENIC PRACTICES.

WORK HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, SMOKING, OR USING RESTROOM.

EXPOSURE GUIDELINES: THIS PRODUCT DOES NOT EMIT ANY FORM OF ENERGY, RADIANT OR OTHERWISE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: DARK BROWN VISCOUS LIQUID

ODOR: SHARP ORGANIC ODOR

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: 7.0

BOILING POINT:

F:

C:

MELTING POINT:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg): Unknown

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VAPOR DENSITY (AIR = 1): GREATER THAN 1

SPECIFIC GRAVITY (H₂O = 1): 1.2 @ F: 74

EVAPORATION RATE:

BASIS (=1):

SOLUBILITY IN WATER: INFINITE

PERCENT SOLIDS BY WEIGHT: 0%

PERCENT VOLATILE: NO VOLATILITY PRESENT

VOLATILE ORGANIC COMPOUNDS (VOC): NONE

MOLECULAR WEIGHT: NO DATA PRESENT

VISCOSITY: NO DATA PRESENT

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): EXCESSIVE HEAT

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION): NOT APPLICABLE

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: THIS PRODUCT IS MANUFACTURED FROM NON-TOXIC INGREDIENTS. NO KNOWN TOXIC EFFECTS BEYOND THAT HEREIN STATED (REVERSIBLE SKIN IRRITATION, ETC.).

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NO DATA AVAILABLE;

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: FOLLOW MANUFACTURER DIRECTIONS FOR PRODUCT APPLICATION.

RCRA HAZARD CLASS: NOT APPLICABLE

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: FourPlay

HAZARD CLASS: NON-HAZARDOUS, NOT A DOT CONTROLLED MATERIAL

ID NUMBER: NOT APPLICABLE

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: FourPlay

HAZARD CLASS: NON-HAZARDOUS, NOT A DOT CONTROLLED MATERIAL

ID NUMBER: NOT APPLICABLE

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME: FourPlay

HAZARD CLASS: NON-HAZARDOUS, NOT A DOT CONTROLLED MATERIAL

ID NUMBER: NOT APPLICABLE

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT APPLICABLE

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NOT APPLICABLE

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NOT APPLICABLE

311/312 HAZARD CATEGORIES: NOT APPLICABLE

313 REPORTABLE INGREDIENTS: NOT APPLICABLE

STATE REGULATIONS: SOME U.S. STATES REQUIRE PRODUCT REGISTRATION

INTERNATIONAL REGULATIONS: CONSULT LAWS OF APPLICABLE JURISDICTION

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

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