NAME OF PRODUCT: **Hydretain Granular OC**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT CODES:** HYD77 - OC  
**PRODUCT NAME:** Hydretain Granular OC  
**SYNONYMS:** Hydretain ES Plus Granular OC, Hydretain ES Plus blended with organic poultry compost  
**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:** Water Conservation Product for Horticulture/Agriculture  
**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).

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.

<table>
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<tr>
<th>Health:</th>
<th>Environmental:</th>
<th>Physical:</th>
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| 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:**

H316: Causes mild skin irritation (in rare instances)  
H317: May cause an allergic skin reaction (may be possible in rare instances, no known instances)  
H320: Causes eye irritation (immediately reversible by flushing eyes in most instances; SEE SECTION 4)  
H335: May cause respiratory irritation* (SEE BELOW)

*Dust released by this product is anticipated to be below the Category 5 threshold of GHS standard 3.2.1 (Acute Toxicity – Dust and Mist), and corresponding categorization of Table 3.8.

**Precautionary Statements:**

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:**

LIGHT TO DARK BROWN COLORED GRANULAR MATERIAL.  
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; NO KNOWN INSTANCES. THIS PRODUCT CONTAINS A HUMECTANT AND IS ONLY SLIGHTLY IRRITATING TO THE EYES. MAY CAUSE SOME IRRITATION, REDDENING, AND/OR TEARING.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

ACTIVE INGREDIENTS:
A PROPRIETARY BLEND OF HUMECTANTS AND HYGROSCOPIC COMPOUNDS*:

SUGAR ALCOHOLS, POLYSACCHARIDES, NEUTRAL SALTS OF APLHA-HYDROXYPROPRIONIC ACID = 12.5%
NON-IONIC SURFACTANT = 3.75%


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

INERT INGREDIENTS:
BASE MATERIAL IS COMPRISED OF ORGANIC Poultry COMPOST: CONTAINS MINERAL MATTER AND COMPOSTED MANURE

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 give large amounts of water or milk; induce vomiting. If large amounts are ingested, seek medical attention.

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

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: UNKNOWN (% BY VOLUME) LOWER: UNKNOWN

FLASH POINT:
F: UNKNOWN
C: UNKNOWN

METHOD USED:

AUTOIGNITION TEMPERATURE: ESTIMATED TO BE GREATER THAN 400°F/204°C

NEPA HAZARD CLASSIFICATION
HEALTH: NONE FLAMMABILITY: 1 REACTIVITY: NONE
OTHER: NONE EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER
SAFETY DATA SHEET

NAME OF PRODUCT: **Hydretain Granular OC**

SPECIAL FIRE FIGHTING PROCEDURES: RECOMMEND USE OF SELF CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES: MATERIAL SHOULD BE SWEPT UP AND DISCARDED, OR IF NOT CONTAMINATED WITH FOREIGN DEBRIS MAY BE REUSED ACCORDING TO MANUFACTURER'S INSTRUCTIONS. IF FINE DUST IS PRESENT IN MATERIAL AND SWEETING IS NECESSARY, USE A DUST SUPPRESSANT.

**SECTION 7: HANDLING AND STORAGE**

HANDLING AND STORAGE: USE PROTECTIVE EQUIPMENT AS PRESCRIBED HEREIN WHEN HANDLING UNCONTAINED MATERIAL. MATERIAL SHOULD BE KEPT DRY AND PROTECTED FROM THE ELEMENTS. THIS MATERIAL CONTAINS HYGROSCOPIC MATERIALS AND EXPOSURE TO MOISTURE, INCLUDING EXCESSIVE HUMIDITY, MAY CAUSE CLUMPING AND SOLIDIFICATION OF MATERIAL INSIDE PACKAGING.

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.

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

ENGINEERING CONTROLS: UNKNOWN

VENTILATION: USE IN A WELL VENTILATED AREA.

RESPIRATORY PROTECTION: AN APPROVED RESPIRATOR MAY BE NEEDED IN AREAS WITH A HIGH ACCUMULATION OF FINES (UNLIKELY GIVEN ORDINARY STORAGE AND APPLICATION METHODS).

EYE PROTECTION: SAFETY GOGGLES WITH SIDE SHIELDS ARE RECOMMENDED WHEN HANDLING UNCONTAINED MATERIAL TO KEEP DUST OUT OF EYES.

SKIN PROTECTION: RUBBER GLOVES ARE RECOMMENDED WHEN HANDLING UNCONTAINED MATERIAL.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PLASTIC OR RUBBERIZED CLOTHING AND PROTECTIVE ANTI-SKID BOOTS SHOULD BE WORN FOR GOOD SAFE HYGIENIC 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: LIGHT TO DARK BROWN GRANULAR MATERIAL

ODOR: ORGANIC MANURE SMELL

PHYSICAL STATE: SOLID GRANULAR

pH AS SUPPLIED: 6-8

BOILING POINT:

- F: NOT APPLICABLE
- C: NOT APPLICABLE

MELTING POINT: NOT APPLICABLE
NAME OF PRODUCT: **Hydretain Granular OC**

FREEZING POINT: NOT APPLICABLE

VAPOR PRESSURE (mmHg): NOT APPLICABLE

VAPOR DENSITY (AIR = 1): UNKNOWN

SPECIFIC GRAVITY (H2O = 1): ACTIVE INGREDIENT WHEN RELEASED FROM GRANULE: 1.2 @ F: 74

EVAPORATION RATE: NOT APPLICABLE

BASIS (=1):

**SOLUBILITY IN WATER:** WATER WILL PARTIALLY DISSOLVE GRANULE AND RELEASE ACTIVE INGREDIENTS; SOME TRACE MINERALS AND ORGANIC PARTICULATE MAY DISSOLVE SLOWLY AND/OR REMAIN INSOLUBLE

PERCENT SOLIDS BY WEIGHT: 89.0%

PERCENT VOLATILE: NEGLIGIBLE

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, FLAME

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDISERS SUCH AS DRY BLEACH

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

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: THE ACTIVE INGREDIENTS OF THIS PRODUCT BIODEGRADE IN APPROXIMATELY 90 DAYS, DEPENDING ON MICROBIAL CONTENT OF SOIL. NO KNOWN POTENTIAL FOR BIOACCUMULATION OR ECOTOXICITY.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: FOLLOW MANUFACTURER DIRECTIONS FOR PRODUCT APPLICATION.

RCRA HAZARD CLASS: NOT APPLICABLE
NAME OF PRODUCT: **Hydretain Granular OC**

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** HYDRETAIIN GRANULAR OC  
**HAZARD CLASS:** NON-HAZARDOUS, NOT A DOT CONTROLLED MATERIAL  
**ID NUMBER:** NOT APPLICABLE  
**PACKING GROUP:**  
**LABEL STATEMENT:**

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** HYDRETAIIN GRANULAR OC  
**HAZARD CLASS:** NON-HAZARDOUS, NOT A DOT CONTROLLED MATERIAL  
**ID NUMBER:** NOT APPLICABLE  
**PACKING GROUP:**  
**LABEL STATEMENTS:**

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** HYDRETAIIN GRANULAR OC  
**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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