



SAFETY DATA SHEET

DATE OF ISSUE: 02/21/2019

## SECTION I – IDENTIFICATION OF MATERIAL AND SUPPLIER

**PRODUCT IDENTIFIER: SYNERGRO ORGANIC**

**OTHER MEANS OF IDENTIFICATION:** ATCC Patent deposit: PTA 12383

**RECOMMENDED USE:** Biological Consortia Used as Microbial-Based Soil Amendment – Level 1

**RESPONSIBLE PARTY:**

Concentric Ag Corporation

7304 South Joliet Street, Suite 200

Centennial, CO 80112

Telephone number: (720) 543-0350

**EMERGENCY PHONE NUMBER:** (970) 381-8917

## SECTION II – HAZARDS IDENTIFICATION

**GHS HAZARD CLASSIFICATION:** Not classified

**GHS LABEL ELEMENTS:** None

**UNCLASSIFIED HAZARDS:** No hazards or adverse effects have been identified

**PERCENTAGE OF INGREDIENTS WITH UNKNOWN TOXICITY:** None

## SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Microbial Cultures	CAS number	OSHA PEL	ACGIH
<i>Lactobacillus paracasei</i>	NA	NA	NA
<i>Lactobacillus helveticus</i> IN-LH1 ATCC:PTA-12386	NA	NA	NA
<i>Lactobacillus plantarum</i>	NA	NA	NA
<i>Lactobacillus rhamnosus</i>	NA	NA	NA
<i>Lactococcus lactis</i>	NA	NA	NA
<i>Candida utilis</i>	NA	NA	NA
Water-based culture medium	NA	NA	NA

\*The specific chemical identities and percentages of composition have been withheld as trade secrets, as considered proprietary or confidential business information per 29 CFR 1910-1200(j).

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## SECTION IV – FIRST AID MEASURES

### Description of First Aid Measures

**General Advice:** Get medical attention if symptoms occur.

**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 to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** 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 by mouth-to-mouth, if possible. Call a poison control center

**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 eye. Call a poison control center or doctor for treatment advice, or doctor for further treatment advice.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:** No symptoms identified

**IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:** None needed

## SECTION V – FIRE-FIGHTING MEASURES

**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:** Water spray, carbon dioxide, and dry chemical powder

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** None known

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** None needed

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Wash with water and mild liquid soap. Work clothes should be laundered separately. Launder contaminated clothing before re-use.

**ENVIRONMENTAL PRECAUTIONS:** Do not apply directly to water, or to areas where surface water is present or to inter-tidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwaters. Prevent further leakage or spillage if safe to do so.

**METHODS AND MATERIALS FOR CLEANING UP:** No special arrangements required. **Large spills:** Stop the flow of material. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Flush the area with water to remove any residue.

**Small spill:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Check local, state and federal regulations for proper disposal.

Never return spills to original containers for re-use.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.



## SECTION VII – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

**CONDITIONS FOR SAFE STORAGE:** Store in a cool, dry well-ventilated area when not in use, out of direct sunlight or UV light. **PROTECT FROM FREEZING.** Do not contaminate water, food or feed by storage and disposal.

## SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** None assigned

**APPROPRIATE ENGINEERING CONTROLS:** None needed

**INDIVIDUAL PROTECTION MEASURES (PPE):**

**Respiratory Protection:** Not normally required. In case of inadequate ventilation or risk of inhalation, use suitable respirator equipment such as Half-Mask, Particulate, Disposable respirator NIOSH prefix TC-84A.

**Protective Gloves:** None

**Eye / Face Protection:** Goggles or shielded safety glasses are recommended.

**Other Protective Clothing:** Wear long sleeved shirt and long pants.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Liquid

**COLOR:** Brown liquid

**ODOR:** Sour-sweet

**ODOR THRESHOLD:** No data available

**PH:** 4.3 – 4.5

**MELTING POINT/FREEZING POINT:** No data available

**INITIAL BOILING POINT AND BOILING RANGE:** 100°C

**FLASH POINT:** No data available

**EVAPORATION RATE:** No data available

**FLAMMABILITY:** No data available

**UPPER/LOWER FLAMMABILITY LIMITS:** No data available

**VAPOR PRESSURE:** Equivalent to water

**VAPOR DENSITY:** Equivalent to water

**RELATIVE DENSITY:** No data available

**SOLUBILITIES:** Highly soluble in water



**PARTITION COEFFICIENT (N-OCTANOL/WATER):** No data available

**AUTO-IGNITION TEMPERATURE:** No data available

**DECOMPOSITION TEMPERATURE:** No data available

**VISCOSITY:** No data available

**BULK DENSITY:** 8.5 lbs./gal at 68° F

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 X – STABILITY AND REACTIVITY

**REACTIVITY:** Not reactive, stable.

**CHEMICAL STABILITY:** Stable

**POSSIBILITY OF HAZARDOUS REACTIONS:** No reactions known under normal use conditions.

**CONDITIONS TO AVOID:** Excessive heat and storage of product containers in direct sunlight.

**INCOMPATIBLE MATERIALS:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

## SECTION XI – TOXICOLOGICAL INFORMATION

### INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

**Eyes:** No adverse effect known

**Skin Contact:** No adverse effect known

**Inhalation:** No adverse effect known

**Ingestion:** No adverse effect

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS:** None known

**DELAYED AND IMMEDIATE EFFECTS:** None known

**NUMEROUS MEASURES OF TOXICITY:** No data available

**CARCINOGENICITY:** No ingredients are listed as carcinogens by NTP, IARC, or OSHA

## SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** No data available.

**PERSISTENCE AND BIODEGRADABILITY:** No data available

**BIOACCUMULATIVE POTENTIAL:** No data available

**MOBILITY IN SOIL:** No data available

**OTHER ADVERSE EFFECTS:** No data available



### **SECTION XIII – DISPOSAL CONSIDERATIONS**

No special arrangements needed for disposal. Do not reuse container. Triple rinse (or equivalent), adding rinsate to spray tank. Offer container for recycling or disposal of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. Do not contaminate water, food or feed by storage or disposal.

### **SECTION XIV – TRANSPORT INFORMATION**

**Land Transport: DOT Shipping Description:** NOT REGULATED.

**U.S. Surface Freight Classification:** FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, LIQUID (NMFC 68140, SUB 6; CLASS 70)

### **SECTION XV – REGULATORY INFORMATION**

**SARA Hazard Notification/Reporting**

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

**CA Proposition 65:** This product does not contain chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

### **SECTION XVI – OTHER INFORMATION**

**DATE OF PREPARATION:** February 21, 2019

**Version:** 2

**PREPARED BY:** GLOBAL REGULATORY AFFAIRS

The information and recommendations contained in this Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal, state/province and local laws.