SANCTUARY 3-0-20

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|  |  |  | **Safety Data Sheet** |
| **Section 1:** | **Company and Product Identification** | | |
|  | **Product Name:** | 3-0-20 |  |
| **Trade Name and Synonyms:** | | Sanctuary Jump Start 3-0-20 | |
| **Chemical Name and Synonyms:** | | Soluble Fertilizer Product | |
|  | **Chemical Family:** | Soluble Fertilizer Product | |
|  | **Formula:** | Various SolubleNutrients + Bacteria | |
|  | **Product Use:** | Mixed dry soluble fertilizer. | |
|  | **Company:** | The Sanctuary, Inc.  P.O. Box 2330  Lady Lake, FL 32158 | |
|  | **Emergency Response:** | 1-630-215-5660 | |
| **Section 2:** | **Hazards Identification** | | GHS07 |
|  | **Hazard Pictograms:** |  |  |
|  | **Signal Word:** |  | Warning |
|  | **Hazard Category:** |  | Acute tox, oral Cat 4 |
|  |  |  | Serious eye damage/eye irritation Cat 2 |
|  |  |  | Specific target organ tox, single exp. Cat 3 (resp irrit) |
|  |  |  | Skin corrosion/irritation Cat 2 |
|  | **Hazard Statements:** |  | H302: Harmful if swallowed |
|  |  |  | H319: Causes serious eye irritation |
|  |  |  | H335: May cause respiratory irritation |
|  |  |  | H315: Causes skin irritation |
|  | **Precautionary Statements:** |  | P233: Keep container tightly closed |
|  |  | P262: Do not get in eyes, on skin, or on clothing |
|  |  |  | P264: Wash thoroughly after handling |
|  |  |  | P270: Do not eat, drink or smoke when using this product |
|  |  |  | P271: Use only outdoors or in a well-ventilated area |
|  |  |  | P280: Wear protective gloves/protective clothing/eye protection/face protection |
|  |  |  | P301+310+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
|  |  |  | P332: If on skin, wash with plenty of soap and water. If irritation occurs and persists, seek medical advice. |
|  |  |  | P337: In case of eye contact, rinse cautiously with water for several minutes. If eye irritation occurs and persists, seek medical advice. |
|  |  |  | P340: Remove victim to fresh air and keep at rest in a position comfortable for breathing |

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| P351: Rinse cautiously with water for several minutes | | | | |
| P361: Remove/Take off immediately all contaminated clothing | | | | |
| P403: Store in a well ventilated place | | | | |
| P405: Store locked up | | | | |
| P501: Dispose of contents/container in accordance with local/national/international rules. | | | | |
|  | **Hazards not otherwise classified:** | The bacteria contained in this product are strains of typically harmless soil and water bacteria, and are not associated with disease or infections under normal circumstances (Biosafety Level 1). However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin.  Wash hands thoroughly after use. Remove and launder heavily soiled clothing separately before reuse. | | |
| Persons with severely suppressed immune systems, such as those with advanced AIDS, or those taking anti-rejection drugs, or those undergoing chemotherapy should contact their physician before handling ordinary microbial products. | | | | |
| Unknown acute toxicity: <1% of the mixture consists of ingredients of unknown toxicity. | | | | |
| **Section 3:** | **Composition / Information on Ingredients** | |  |  |
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|  | **Hazardous substance (name)** | | **CAS#** | **Weight %** |
|  | Urea | | 57-13-6 | 5-10% |
|  | Potassium Sulfate | | 7778-80-5 | 25-40% |
|  | Ferrous Citrate | | 5/8/2338 | 15-25% |
|  | Manganese EDTA | | 15735-84-5 | 1-2% |
|  | Magnesium Hydroxide | | 1309-42-8 | 15-25% |
|  | Sodium Borate | | 1303-96-4 | <1% |
|  | Zinc EDTA | | 14025-21-9 | 1-2% |
|  | Bacteria\* | | 68038-70-0 | <1% |
|  | Nonhazardous fertilizer and fillers | | Various | Balance |
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| **Section 4:** | **First Aid Measures** |  |  |  |
|  | **Eye Contact:** | Rinse eyes cautiously with water for several minutes. Remove any contact lenses if easy to do, and continue rinsing. If discomfort or irritation persists contact a physician. | | |
|  | **Skin Contact:** | Wash with soap and water. If injury occurs, or if discomfort or irritation persists or rash occurs, 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:** | IF SWALLOWED: Rinse mouth and call a POISON CENTER or doctor/physician. | | |
|  | **Self-protection of the**  **first aider:** | Use any appropriate personal protective equipment as required for nuisance dusts. | | |

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|  | **Most important symptoms and effects, both acute and delayed:** | Nuisance dust irritation may occur with nasal discomfort under highly dusty conditions. |
|  | **Indication of any immediate medical attention and special treatment needed:** | Treat Symptoms. Consult physician if discomfort or irritation persists. Get medical advice or attention if you feel unwell. |
| **Section 5:** | **Fire Fighting Measures** | |
|  | **Suitable Extinguishing Media:** | Use extinguishing media suitable to local circumstances and the surrounding environment. Options in this case include water, CO2, ABC Dry Chemical extinguisher, or foam. Avoid stirring up dust extinguisher stream. |
|  | **Specific hazards arising from the**  **chemical:** | This product will burn and may evolve SO2 above 600oF. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire, do not breathe fumes. Take precautions to keep product out of streams and water supplies. |
|  | **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. |
|  | **Unusual Fire and Explosion Hazards:** | Use caution to make sure that dust in the air is not ignited. |
|  | **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. |
| **Section 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. Avoid breathing dust. |
|  | **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. |
| **Section 7:** | **Handling and Storage** | |

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|  | **Safe Handling Precautions:** | Read and understand all safety precautions before handling. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required to avoid breathing product dusts or mists, and to prevent eye contact. Wash hands thoroughly after handling | | | | |
|  | **Recommendations for**  **Storage:** | Keep containers tightly closed in a cool, well- ventilated place. Keep out of the reach of children. | | | | |
|  | **Incompatibilities:** | Avoid strong acids or alkali, or other reactive substances. | | | |  |
| **Section 8:** | **Exposure Control / Personal Protection** | | |  |  |  |
|  | **General / Engineering Controls:** | Use with adequate ventilation and follow safe work practices to prevent dust buildup in air. Avoid breathing dust or mist. | | | | |
|  | **Eye Protection:** | Safety glasses, or goggles if eye contact is likely | | | |  |
|  | **Skin/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. | | | | |
|  | **Other Information:** | The bacteria contained in this product are strains of typically harmless soil and water bacteria, and are not associated with disease or infection in normally healthy people under normal circumstances. However, reasonable precautions are in order. Use good hygiene practices. Handle with nonporous gloves. Wash hands after handling. Wash hands and face before handling food or drink. If spilled on clothing, wash separately from other clothing. Remove and wash contaminated clothing before reuse. Clean clothing should be worn daily to avoid possible long-term buildup of the product leading to chronic overexposure. Persons with severely compromised immune systems should consult with their physician before handling microbial products. | | | | |
| **Section 9:** | **Physical and Chemical Properties** | | |  |  |  |
|  | **State:** | Powder | **Melting Point:** | Not avail | **Freezing Point:** | Not avail |
|  | **Color:** | Light grey | **Boiling Point/Range:** | Unknown | **pH** | 6.0 to 6.8 |
|  | **Sp Grav:** | 60-80#  /ft3 | **Odor:** | Little odor | **Water Solubility:** | Partially soluble |
|  | **Evaporation rate:** | Not avail | **Flash Point:** | Not avail | **Part. Coeff (n octanol/water**  **)** | Not avail |
|  | **Upper Flam Limits:** | Not avail | **Lower Flam**  **Limits:** | Not avail | **Vapor Pressure:** | Not avail |
|  | **VOC Content**  **(lbs/gal):** | 0 | **Viscosity:** | Not avail | **Autoignition**  **Temp:** | Unknown |
| **Section 10:** | **Stability and Reactivity** | | |  |  |  |
|  | **General:** | This product is stable. | |  |  |  |

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|  | **Incompatible**  **Materials:** | Strong acids or alkali, or other reactive substances. |
|  | **Possibility of Hazardous Reactions:** | May release heat and fumes when mixed in solution with incompatible reactive materials. |
|  | **Materials to Avoid:** | Heat and moisture. |
|  | **Conditions to Avoid:** | High heat, sparks and open flames, as some ingredients may be burnable. |
|  | **Hazardous Decomposition**  **products:** | May emit toxic fumes under fire conditions, such as Nitrogen oxides (NOx), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide. |
|  | **Polymerization:** | Will not occur. |
| **Section 11:** | **Toxicological Information** | |
|  | **Routes or Entry:** | Absorbed through skin. Dermal contact. Eye contact. Dust inhalation. Ingestion. |
|  | **Symptoms:** | May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhea. |
|  | **Carcinogenicity:** | Not listed as carcinogenic. |
|  | **Chronic Toxicity:** | Prolonged inhalation may lead to respiratory tract irritation. Repeated or prolonged inhalation of magnesium dust has been reported to cause increased incidence of digestive disorders. |
|  | **Target Organs:** | Lungs; respiratory irritation |
| **Section 12:** | **Ecological Information** | |
|  | **General 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:** | Partially biodegradeable |
|  | **Bioaccumulation:** | Not expected to bioaccumulate, based on composition |
|  | **Other Adverse**  **Effects:** | No information available. |
| **Section 13:** | **Disposal Information** |  |
| **This material, as supplied is not a hazardous waste according to federal regulations (40 CFR 261).** | | |
|  | **Waste Disposal Procedures:** | This product is a non-hazardous waste material suitable for approved solid waste landfills. No EPA Waste Numbers are applicable for this product’s components.  Dispose of in accordance with Local, State, and Federal regulations. |
|  | **Contaminated Packaging:** | No US Federal special packaging considerations at the date of this document. Follow local regulations. |
| **Section 14:** | **Transport Information** | |
|  | **Shipping Name:** | Sanctuary Jump Start 3-0-20 |
| **Section 15:** | **Regulatory Information** | |

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| **Section 16:** | **Other Information** |  |  |  |
|  | **SDS Author:** | The Sanctuary, Inc. | **Version Date:** | 7/1/2024 |
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