

SANCTUARY 3-0-20



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 656
Winter Park, CO 80482

Emergency Response: 1-970-726-4848

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

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

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

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.

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

Safe Handling Read and understand all safety precautions before handling. Ensure adequate ventilation,
Precautions: 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.

Controls:

Eye Protection: Safety glasses, or goggles if eye contact is likely

Skin/Body Protection: Gloves and standard work coveralls recommended.

Protection:

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.

Incompatible Strong acids or alkali, or other reactive substances.

Materials:

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

Hazardous

Reactions:

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: This product is a non-hazardous waste material suitable for approved solid waste landfills.

Procedures: 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

Section 16: Other Information

SDS Author: The Sanctuary, Inc.

Version Date: 1/30/2017

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