

MATERIAL SAFETY DATA SHEET

Gavilon 30



SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Gavilon 30 **GENERIC NAME:** 8-18-4 Starter Fertilizer
SYNONYMS: 8-18-4 Starter Fertilizer
MSDS NUMBER: GAVILON30030310
DATE ISSUED: 3/3/2010
MANUFACTURER: Gavilon Fertilizer, LLC.
EMERGENCY PHONE: CHEMTREC 800-424-9300
ADDRESS: Gavilon Fertilizer, LLC **MANUFACTURER PHONE:** 912-598-8392
5 Skidaway Village Walk **MANUFACTURER FAX:** 912-598-2263
Savannah, GA 31406

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%	TLV
Ammonium nitrate	6484-52-2	<5.1	ND
Dihydrogen phosphate	7758-11-4	<9	ND
Phosphoric acid	7664-38-2	<2.2	
Urea	57-13-6	<6	ND
Zinc-diammonium EDTA complex	67859-51-2	<2.7	ND

KEY: NA = not applicable; ND = not determined; TLV = ACGIH, 8 hr. time weighted average (TWA)

SECTION III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contact with liquid may cause irritation to eyes and skin. Harmful if swallowed or inhaled. Ingestion of large quantities may produce methemoglobinemia (reduces the oxygen carrying capacity of the blood, dangerous to infants). Infants may experience a drop in blood pressure, irregular heart beat, shock, nausea, vomiting, diarrhea and stomach pain. Product is incompatible with copper alloys, finely powdered metals, and strong oxidizers or reducing agents.

POTENTIAL HEALTH EFFECTS:

ROUTES OF ENTRY: Skin contact, eye contact, inhalation, and ingestion.

INHALATION: May cause coughing, difficulty in breathing and/or irritation of mucous membranes.

SKIN CONTACT: Irritation to skin.

EYE CONTACT: Irritation of the eyes.

INGESTION: Ingestion may cause diarrhea, purging and flatulence. Large doses could cause nausea, chills, and vomiting.

CHRONIC EFFECTS: Dermatitis. EDTA and its sodium salts have been reported to cause birth defects in some animal studies in the presence of maternal toxicity.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May cause upper respiratory irritation, and may aggravate pre-existing respiratory conditions.

CARCINOGENICITY: Not listed by NTP or IARC. Not regulated as a carcinogen, mutagen, teratogenic or allergenic by OSHA.

SECTION IV – FIRST AID MEASURES

INHALATION: Move to an area free from risk of further exposure. Provide symptomatic treatment if required. No adverse effects anticipated by this route of exposure incidental to proper handling.

EYE CONTACT: Flush with clean, lukewarm water at low pressure, including areas under the upper and lower eyelid for at least 15 minutes. If irritation persists, consult physician.

SKIN CONTACT: Flush with running water for at least 15 minute until irritation subsides. Remove contaminated clothing and wash before reuse. If irritation persists, consult physician.

INGESTION: In the case of ingestion dilute with water or milk only if the victim is conscious. Do not induce vomiting. Consult physician.

SECTION V – FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: Not applicable. Product is non-flammable and does not support combustion. Avoid temperatures above 212°F (100°C): on drying the material may explode or thermally decompose.

EXTINGUISHING METHOD: Use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents. Contain the runoff and prevent from entering waterways or drains.

FIRE OR EXPLOSION HAZARDS: Upon drying, the material may thermally decompose. Avoid contact with organic materials. This material does not burn, but may give off ammonia fumes and decompose to form oxides of carbon, nitrogen and metals.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Fire fighters should wear full protective equipment and self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Wearing appropriate protective clothing, prevent spills from entering watercourses or sewers. Collect spilled material in appropriate containers or absorb with suitable inert absorbent, such as clay, or kitty litter, for recovery, use or disposal. Finish cleaning spill area using small amounts of water or inert absorbent. Collect spilled material and cleanup residue for use or disposal.

SECTION VII – HANDLING AND STORAGE

STORAGE TEMPERATURE: Keep in cool dry place away from sources of high heat.

SPECIAL SENSITIVITY: Store in closed stainless steel or poly containers and protect from physical damage. Prevent from drying. Isolate from strong oxidizing agents.

HANDLING AND STORAGE PRECAUTIONS: Avoid skin and eye contact and practice good personal hygiene. Store in a well-ventilated area. Store and transport Gavilon 30 in Poly or stainless steel only. Thoroughly agitate Gavilon 30 before transferring to another vessel. Jar test Gavilon 30 for compatibility before mixing in any other fertilizer, pesticide, or water which is acidic or basic. Empty containers which still retain product vapors and liquid residue, which may present hazards, observe all precautions listed for the product. Keep out of reach of children.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety goggles or face shield if there is potential for exposure to liquid or mist which could cause injury to the eyes. Facilities storing or utilizing this material should be equipped with an eyewash fountain or quick drench facilities available in the work area.

SKIN PROTECTION: Avoid skin contact with long sleeve shirts, long pants, rubber boots, eye protection, hat and rubber or neoprene gloves. Wash thoroughly after using or handling.

RESPIRATORY PROTECTION: None needed under normal conditions of usage. In confined areas use a respirator approved for mists and ammonia. In extreme conditions wear supplied air or air supplied respirator for ammonia.

ENGINEERING CONTROLS: Product is normally used out of doors; however, if indoor use is required, good general ventilation should be sufficient for most conditions.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Liquid	COLOR: Clear, light green
ODOR: Slight ammonia odor	SPECIFIC GRAVITY (H₂O = 1): 1.31
BOILING POINT: No data	MELTING POINT: No data
pH: 7	VAPOR PRESSURE: Not applicable
SOLUBILITY IN WATER: 100%	
% VOLATILE BY WEIGHT (VOC): No data	VAPOR DENSITY (air=1): Not applicable

SECTION X - REACTIVITY

STABILITY: This is stable material.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Avoid high temperatures and contact with oxidizing agents, light metals and water reactive materials.

DECOMPOSITION PRODUCTS: Ammonia and oxides of carbon, nitrogen and phosphorous.

SECTION XI – TOXICOLOGICAL/ECOLOGICAL INFORMATION

TOXICITY TO ANIMALS: No data.

CHRONIC EFFECTS ON HUMANS: Product specific testing has not been conducted. Ingestion of product may cause gastrointestinal irritation, purging, weakness and circulatory disturbances.

TOXICITY TO THE PRODUCTS OF DEGRADATION: No data.

STABILITY IN SOILS: No data.

ECOLOGICAL INFORMATION: The nitrogen content of the storm-water run-off of excessively applied fertilizer may result in eutrophication of lakes and streams by stimulating certain algae growth.

SECTION XII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Follow applicable federal, state and local disposal regulations. This material is a commercial fertilizer and may be disposed of by applying to soil in accordance with local and state regulatory agencies using manufacturer's recommendations. If unable to use for intended purpose, the waste material should be evaluated for the toxicity characteristic (arsenic and lead) prior to disposal.

CONTAINER DISPOSAL: Containers should be cleaned of residual product before disposal or return. Since emptied containers retain product residue, follow label warnings even after container is emptied. Empty containers should be disposed of or shipped in accordance with all applicable laws and regulations.

SECTION XIII – TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not Regulated	DOT LABEL: None
TECHNICAL SHIPPING NAME: None	DOT PLACARD: None
DOT HAZARD CLASS: None	UN/NA NUMBER: None

OTHER NOTES: Ammonium polyphosphate solution is classified by the USCG as an NLS under 33 CFR 154 per reference 46 CFR 153 (and Marpol).

SECTION XIV – REGULATORY INFORMATION

NFPA RATING: Health: 1 Fire: 0 Reactivity: 1 Other: None

OSHA STATUS: Not listed.

TSCA 8(b) STATUS: Applicable chemicals are registered under TSCA

CERCLA REPORTABLE QUANTITY: Not listed

CALIFORNIA PROPOSITION 65: Not listed

RCRA STATUS: This material may contain traces of arsenic and lead (D004 and D008)

SECTION 311/312 HAZARD CATEGORIES: No data

SECTION 313 TOXIC CHEMICALS: Lead and lead compounds (possibly trace amounts)
Nitrate compounds (<5.1%)

SECTION XV - APPROVALS

REASON FOR ISSUE: New MSDS	APPROVAL DATE: March 8, 2010
PREPARED BY: Brian Wanzenried	SUPERSEDES DATE:
REVIEWED BY: Tom Harmon	

SECTION XVI - DISCLAIMER

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