



Safety Data Sheet

Gaviota 10-30-10

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1. Identification

Product Identifier:

Product Name: Gaviota 10-30-10
Product Code Number: 083-1205D

Other means of identification:

Synonyms: None known

Recommended use of the chemical and restrictions on use:

Recommended use: Fertilizer, professional applications
Restrictions on use: Uses other than those identified above.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Company Name: BEI Hawaii
Company Address: 311 Pacific Street
Honolulu, HI 96817
USA

Company Telephone Number: 808-532-7400
Fax Number: 808-532-7500
Company Email: info@beihawaii.com
Company Website: beihawaii.com

Company Contact: Regulatory Compliance Officer
Company Contact Phone Number: 808-532-7400
Company Contact Email: info@beihawaii.com

Emergency Phone Number: Chemtrec (24 hours)
+1-800-424-9300

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Physical hazards:

None known

Health hazards:

Acute Toxicity Oral Category 4
Serious eye damage / Eye irritation Category 2B
Specific Target Organ Toxicity, single exposure, Category 3 (Respiratory Irritation)
Carcinogenicity, Category 1A
Specific Target Organ Toxicity, repeat exposure, Category 1 (Lungs)

Environmental hazards:

Not adopted under OSHA paragraph (d) of §1910.1200.

Hazard symbol(s):



Signal Word:

DANGER

Hazard statement(s):

Harmful if swallowed.

Causes serious eye irritation.

May cause respiratory irritation.

May cause cancer.

Causes damage to organs (lungs) through prolonged or repeated exposure.

Precautionary statement(s):

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

If swallowed: Call a poison center/doctor if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Rinse mouth.

If eye irritation persists: Get medical advice/attention.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

Dispose of contents/containers to an approved disposal site in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC):

Nuisance dust may cause respiratory irritation and mechanical eye abrasion.

Percentage of ingredient(s) of unknown acute toxicity:

17% of the mixture consists of ingredients of unknown acute toxicity (oral).

75% of the mixture consists of ingredients of unknown acute toxicity (dermal, inhalation).

3. Composition/information on ingredients

Mixture:

Ingredient	CAS Number	Concentration Wt. %*
MonoAmmonium Phosphate	7722-76-1	58
Potassium chloride	7447-40-7	16.1 – 17
Crystalline Silica	14808-60-7	> 0.1

**The exact chemical identity and/or the specific concentration is being withheld as "trade secret" in accordance with 29 CFR 1910.1200(i).*

The balance of ingredients are not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

General advice:

If in doubt: Seek medical advice/attention.

Inhalation:

Remove victim to fresh air and in a position comfortable for breathing. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration.

Skin contact:

Wash off immediately with plenty of water. Get medical attention if skin irritation occurs.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation develops and persists, get medical attention.

Ingestion:

Do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously.

Most important symptoms/effects, acute and delayed

Acute symptoms effects:

Inhalation:

Causes damage to organs (lungs) through prolonged or repeated exposure. May cause respiratory irritation. Symptoms include cough, sore throat, shortness of breath and inflammation of the mucosal membranes lining the respiratory tract. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure. Acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica.

Skin contact:

May cause slight skin irritation. Symptoms include redness, itching and inflammation. Skin contact may aggravate existing skin disease and dermatitis.

Eye contact: Causes serious eye irritation. Symptoms may include: stinging, redness, tearing, burning and general discomfort. Airborne dust may cause mechanical abrasion of the eye, characterized by pain, tearing, redness, photophobia and sensation of a foreign body in the eye.

Ingestion:

Ingestion may cause abdominal pain and vomiting. This product is harmful if swallowed.

Indication of immediate medical attention and special treatment needed, if necessary.

If any symptoms described above are noted, contact a doctor and give them this SDS sheet.

Notes to Physician:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Symptoms may be delayed. Symptoms of acute poisoning include severe abdominal pain, vomiting, vertigo, muscular weakness, irregular pulse, cyanosis, convulsions, and collapse.

Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams WILL ALMOST CERTAINLY CAUSE THESE EFFECTS IN EVERYONE. In healthy individuals most of the ingested salt will

be excreted in the feces with the diarrhea and will not cause systemic toxicity. Doses greater than 10 grams may cause system toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. The following treatments should be considered for the specific groups of phosphate salts found in this product.

- All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia, so calcium levels should be monitored.
- Ammonium salts have a hypothetical risk of ammonia toxicity. In addition to calcium levels, ammonia and phosphate levels should be monitored.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media.

Suitable extinguishing media:

Dry chemical, carbon dioxide, foam, water spray or fog.

Unsuitable extinguishing media:

Do not use water jet as extinguisher, as this will spread the fire.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products)

Unusual Fire Hazards:

Product dust may become airborne during a fire, presenting a potential inhalation hazard. Fire may create a danger of inundation during structural collapse. Toxic, irritating and corrosive gases, vapors, fumes and aerosols may be released during a fire situation.

Hazardous Combustion Products:

During a fire, irritating, toxic and corrosive gases, vapors, fumes and aerosols may be formed including: Ammonia, oxides of nitrogen, potassium nitrite, potassium oxides, sulfur oxides, manganese oxides, sodium oxides, zinc oxides and other products of incomplete combustion.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool unopened containers. Avoid release of fire-fighting water to environment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Stay upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing dust, mist, vapor or aerosol. Avoid contact with skin, eyes and clothing. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS. Ventilate enclosed areas. Remove any sources of ignition. Dike or retain dilution water or water from firefighting for later disposal.

Environmental precautions

Prevent entry into drains, sewer, water system or soil.

Methods and material for containment and cleaning up

Small spills:

Sweep or vacuum up. Clean up residual materials by washing area with water and detergent.

Large spills:

If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Avoid stirring up of dust. Keep containers tightly closed when not being used. Avoid breathing dust or vapors. Avoid direct or prolonged contact with skin, eyes and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. (See Section 8). Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Store in an area that is cool, dry and well-ventilated. Store in original, tightly closed containers away from incompatible materials (See section 10 for incompatibles).

8. Exposure controls / personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Occupational Exposure Limits		
MonoAmmonium Phosphate		None known
Potassium chloride		None known
Crystalline Silica	0.05 mg/m3	OSHA PEL: TWA [8 hr.] Table Z-1 Limits for Air Contaminants
	10mg/m3 / %SiO ₂ +2 250mppcf / %SiO ₂ +5	OSHA PEL: TWA [8 hr.] Table Z-3 Mineral Dusts
	0.025 mg/m3	ACGIH TLV: TWA [8 hr.] (Inhalable Particulate)

Appropriate engineering controls.

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Minimize dust formation.

Individual protection measure, such as personal protective equipment

Respiratory Protection:

Use a NIOSH/MHSA or European Standard EN 149 approved respiratory if exposure limits are exceeded or if irritation or other symptoms are experienced. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Recommended filter type: Particle filter

Skin Protection:

Hand Protection:

Wear chemical resistant gloves. Suitable glove types are Polyvinyl chloride (PVC), Neoprene, Nitrile, Rubber (natural or latex) and Butyl rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Wear appropriate protective clothing to prevent skin exposure.

Eye Protection:

Wear appropriated protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 or European Standard EN166.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

9. Physical and chemical properties

Appearance (physical state, color, etc.):

Physical state: Solid

Color: Variable Mixture

Odor: May have a slight "fertilizer" odor

Odor threshold: Not determined

pH: Not available

Melting point/freezing point

Melting point: Not available

Freezing point: Not available

Initial boiling point and boiling range: Not available

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not expected to be flammable

Upper/lower flammability or explosive limits

Upper flammability limits: Not available

Lower flammability limits: Not available

Upper explosive limits: Not available

Lower explosive limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Solubility(ies): Not available

Partition coefficient n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: None anticipated based on structural properties.

10. Stability and reactivity

Reactivity

Not anticipated to be reactive under recommended storage and handling conditions.

Chemical Stability

This product is stable under recommended storage and handling conditions.

Possibility of hazardous reactions

No hazardous reactions anticipated under recommended storage and handling conditions.

Conditions to Avoid

Avoid dust formation, excessive heat, exposure to moist air or water, open flame, sources of ignition and incompatibles.

Incompatible materials

Flammable and Combustible Substances, Strong oxidizing agents, Reducing agents, Magnesium, Aluminum, Caustics, Alkalies, Nitric Acid, Gallium, Perchlorate

Hazardous decomposition products

Thermal decomposition products include: Ammonia, oxides of nitrogen, potassium nitrite, potassium oxides, sulfur oxides, manganese oxides, sodium oxides, zinc oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Expected to be a route of entry.
Ingestion:	Expected to be a route of entry.
Skin:	Expected to be a route of entry.
Eyes:	Expected to be a route of entry.

Target Organs: Skin, eyes, respiratory system, lungs.

Symptoms related to the physical, chemical, and toxicological characteristics***Inhalation:***

Causes damage to organs (lungs) through prolonged or repeated exposure. May cause respiratory irritation. Symptoms include cough, sore throat, shortness of breath and inflammation of the mucosal membranes lining the respiratory tract. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure. Acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica.

Skin contact:

May cause slight skin irritation. Symptoms include redness, itching and inflammation. Skin contact may aggravate existing skin disease and dermatitis.

Eye contact: Causes serious eye irritation. Symptoms may include stinging, redness, tearing, burning and general discomfort. Airborne dust may cause mechanical abrasion of the eye, characterized by pain, tearing, redness, photophobia and sensation of a foreign body in the eye.

Ingestion:

Ingestion may cause abdominal pain and vomiting. This product is harmful if swallowed.

Delayed and immediate effects and chronic effects from short or long-term exposure

Delayed: None known

Chronic: None known

Numerical measures of toxicity (such as acute toxicity estimates):**Acute Toxicity:**

None known for the product

Chemical Name	LC50 Inhalation	LD50 Oral	LD50 Dermal
MonoAmmonium Phosphate	No data available	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)
Potassium chloride	No data available	2,600 mg/kg (Rat)	No data available
Crystalline silica	No data available	No data available	No data available

Skin Corrosion/Irritation:

May cause slight skin irritation.

Serious Eye Damage/ Eye Irritation:

Causes serious eye irritation.

Respiratory Sensitization:

Does not meet the criteria for classification based on information on the product and its ingredients.

Skin Sensitization:

Does not meet the criteria for classification based on information on the product and its ingredients.

Germ Cell Mutagenicity:

Does not meet the criteria for classification based on information on the product and its ingredients.

Carcinogenicity:

May cause cancer.

IARC has listed crystalline silica from occupational sources as a Group I carcinogen. A Group I carcinogen is one in which there is sufficient evidence for carcinogenicity in humans. NTP has listed crystalline silica as reasonably anticipated to be a carcinogen.

Reproductive Toxicity:

Does not meet the criteria for classification based on information on the product and its ingredients.

Specific Target-Organ Toxicity – Single Exposure:

May cause respiratory irritation.

Specific Target-Organ Toxicity – Repeated Exposure:

Causes damage to organs (lungs) through prolonged or repeated exposure.

Aspiration Hazard:

Does not meet the criteria for classification.

12. Ecological information**Ecotoxicity (aquatic and terrestrial, where available):**

Ingredient	Species	Data
MonoAmmonium Phosphate	Fish - Oncorhynchus mykiss (rainbow trout)	LC50: > 85.9 mg/l (96 hr.)
Potassium chloride	Fish Pimephales promelas (fathead minnow) Daphnia magna (Water Flea) Desmodesmus subspicatus (green algae)	LC50: 880 mg/l (96 hr.) LC50: > 440 mg/l (48 hr.) [static] EC50: > 100 mg/l (72 hr.)
Crystalline silica	No data available	No data available

Persistence and degradability

No data available for the mixture.

Bioaccumulation potential

No data available for the mixture.

Mobility in Soil

No data available for the mixture.

Other adverse effects

No data available for the mixture.

13. Disposal considerations**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:**

Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Dispose of in a licensed facility. Do not discharge into drains/surface waters or ground waters. Dispose of in accordance with all applicable federal, state, provincial and local regulations.

Empty Container Warning

Empty containers may contain product residue. Follow label warning even after container is emptied.

14. Transport information

US 49CFR/DOT: Not Regulated for Transport
CANADA/TDG: Not Regulated for Transport
IMDG: Not Regulated for Transport

ICAO/IATA: Not Regulated for Transport

15. Regulatory information

Not meant to be all inclusive

US Federal Regulations:

OSHA:

This product is hazardous according to OSHA.

TSCA:

All components of this product are listed or excluded from listing on the United States Environmental protection Agency Toxic Substances Control Act (TSCA) inventory.

EPCRA 311/312 Chemicals and RQs (lbs.) (>0.1%):

(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous (>.1%):

(No Product Ingredients Listed)

EPCRA 313 (TRI Reporting) (>.1%):

(No Product Ingredients Listed)

US State Regulations:

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):



WARNING: This product can expose you to Crystalline silica (CAS 14808-60-7) which is known to the state of California to cause cancer, birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Massachusetts Right to Know:

(No Product Ingredients Listed)

New Jersey Right to Know:

Crystalline silica (CAS 14808-60-7) is listed on the New Jersey Right to Know list.

Pennsylvania Right to Know:

Crystalline silica (CAS 14808-60-7) is listed on the Pennsylvania Right to Know list.

16. Other information, including date of preparation or last revision

Revision Date: March 29, 2019

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