

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix 10-1-2

January 13, 2016

In emergency call 866.563.2784 (9:00 am to 5:00 pm EST/EDT) or 610.283.6913 (after hours).

Product Name – Holganix® 10-1-2

SECTION 1: IDENTIFICATION

Holganix LLC

Product Name: Holganix 10-1-2

54 Conchester Road

Common Name: 10-1-2

Glen Mills, PA 19342-1506

Product Type: granular fertilizer with nitrogen derived from urea, methylene urea and diammonium phosphate; phosphorus derived from diammonium phosphate and potassium derived from sulfate of potash

866.6563.2784

www.holganix.com

SECTION 2: HAZARD(S) IDENTIFICATION

Skin - urea, methylene urea, diammonium phosphate and sulfate of potash may each or together cause skin irritation and/or desiccation.

Eyes – urea, methylene urea, diammonium phosphate and sulfate of potash may each or together cause eye irritation.

Inhalation – prolonged inhalation of dust from urea, methylene urea, diammonium phosphate and sulfate of potash components may each or together cause irritation to the nose and/or upper respiratory system.

Ingestion – the components of Holganix 7-9-5 are each of low toxicity. Upon ingestion, person(s) may experience digestive tract problem including nausea, vomiting, diarrhea and or cramps. Ingestion of sulfate of potash may result gastrointestinal upset, abdominal pain and diarrhea.

Chronic Effects – no chronic effects are known from the ingredients of this product.

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix 10-1-2

January 13, 2016

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

		Holganix Blend 66L Ingredients	
46-0-0 urea fertilizer	10.00%	Plant based Compost Tea	76.85%
Diammonium phosphate	2.25%	Molasses	19.03%
Methylene urea	12.75%	Brewer's Yeast	3.82%
Sulfate of potash	4.00%	Mycorrhizae	0.22%
Holganix Blend 66L	11.78%	Yucca Extract	0.08%
Biodac ^{®1}	59.22%		

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush with running water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms develop or irritation persists.

Skin Contact: Wash exposed skin with soap and water. Rinse thoroughly. Seek medical attention if symptoms develop or irritation persists.

If Inhaled: Relocate to fresh air. If nasal cavity is irritated, flush with water. Seek medical attention if symptoms develop.

If Ingested: Drink 8 to 16 fluid ounces of water. Do not induce vomiting. If ingested in large amounts, call Poison Control Center (1.800.222.1222). If vomiting occurs, lower the head to keep vomit from being swallowed.

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix 10-1-2

January 13, 2016

SECTION 5: FIRE-FIGHTING MEASURES

- Fire Hazard:** Methylene urea, a component of Holganix 10-1-2, will burn if exposed to fire. When mixed with air, fine particles (dust) may form an explosion hazard.
- Extinguishing Media:** Extinguish fire with foam carbon dioxide, dry powder or foam.
- Hazardous Combustion Products:** When exposed to high temperatures, urea, methylene urea and diammonium phosphate may release ammonia .
- Special Firefighting Considerations:** Wear full protective clothing and self-contained breathing gear.
- Fire Fighting Methods:** If possible, move containers not involved in the fire away from the area involved in the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Carefully sweep up spilled product and place in a clean, dry container. Close and seal the container. Avoid breathing dust. If possible, use the collected material from the spill according to label directions. Otherwise, dispose of the collected material in an approved chemical waste facility. In the event of a large spill, take measures to avoid exposure to waterways as materials will promote algae growth and may degrade water quality. Notify downstream water users and authorities of spills reaching a waterway.

SECTION 7: HANDLING AND STORAGE

Store the product in closed, sealed containers in a cool, dry place. Avoid breathing dust. Avoid direct or prolonged contact with skin or eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke in product storage areas. Store and use the product out of the reach of children and animals. Read the label before use and follow use instructions. Do not reuse product containers. Open dumping of product and/or product containers is prohibited.

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Holganix 10-1-2

January 13, 2016

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: If granules may come in contact with eyes (e.g. when handling opened bags or filling spreaders), wear protective eyewear.

Skin Protection: Before using product, cover open sores or wounds. Wear rubber gloves and long sleeved shirts when opening bags and filling spreaders.

Respiratory protection: None required.

Ventilation requirements: Use NIOSH approved respirators when working in poorly ventilated Environments.

Additional Protective Measures: None required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Granules **Color:** Gray **Odor:** Sweet odor of molasses and yeast

pH: 7 to 8 **Solubility:** Partially soluble in water. Biodac granules are not soluble.

Specific Gravity: 0.8 to 2.0 **Bulk Density:** 50 to 78 lbs/cu ft

Vapor Pressure: not available

SECTION 10: STABILITY AND REACTIVITY

This product is stable. Store in a cool, dry location. Avoid contact with oxidizers and moisture. In the presence of moisture, may be corrosive to steel. Slightly corrosive to aluminum, zinc or copper. Non-corrosive to ceramic, glass or 304 and 316 stainless steel.

SECTION 11: TOXICOLOGICAL INFORMATION

Urea, methylene urea, diammonium phosphate and sulfate of potash are not known to be toxic to humans or carcinogenic. Large doses of sulfate of potash can cause gastrointestinal irritation. Acute effects associated with these chemicals may include eye, skin and nasal tissue inflammation. There are no human or animal toxicological effects associated with Holganix Blend 66L used in the manufacture of Holganix 7-9-5.

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix 10-1-2

January 13, 2016

SECTION 12: ECOLOGICAL INFORMATION

Urea, methylene urea, diammonium phosphate and sulfate of potash are soil nutrients. They may stimulate plant life in ponds, lakes, streams, rivers and bays. Contact with waterways should be avoided as excessive plant life in water ways can deplete water oxygen and kill fish. Biodac and Holganix Blend 66L are readily biodegradable and/or add to the number of microorganisms in the soil. All microorganisms in the product are naturally occurring in the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not contaminate waterways while cleaning equipment and disposing of wash water. Do not reuse product containers. Comply with local, state and federal regulations when disposing of product and/or containers.

SECTION 14: TRANSPORT INFORMATION

Transportation of this product is not regulated.

SECTION 15: REGULATORY INFORMATION

Urea 46-0-0: CAS #: 57-13-6. **CERCA/SUPERFUND 40 CR 117.302:** This product contains no Reportable Quantity (RQ) Substances. This product is not considered to be a priority pollutant as regulated under the Clean Water Act. **TSCA (Toxic Substance Control Act):** This product and all its components are listed on the TSCA Inventory. **CALIFORNIA PROPOSITION 65:** This product is not known to cause cancer and is not listed. This product has been classified in accordance with the hazard criteria of the **Controlled Products Regulations** and is not subject to control under the **Hazcom Standard**.

Diammonium phosphate: CAS #: 7783-28-0. **SARA Title III:** Reporting required under 311 and 312. **40 CFR Part 355: Extremely Hazardous Substances – None.** **40 CFR Part 370: Hazardous Chemical Reporting – Applicable.** **CALIFORNIA PROPOSITION 65:** This product is not known to cause cancer and is not listed.

Sulfate of potash: CAS #: 7778-80-6. **SARA Title III:** 311 and 312 are not covered by Title III of SARA. No component of sulfate of potash is at or above the minimum concentration for chemicals listed in Section 313 of SARA. **40 CFR Part 355: Extremely Hazardous Substances – None.** **40 CFR Part 370: Hazardous Chemical Substances – None.**

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix 10-1-2

January 13, 2016

SECTION 16: OTHER INFORMATION

The information in this MSDS is based upon available information and/or data. No warranty is expressed or implied with respect to the accuracy of this data, information or the results to be obtained from the use. Users should satisfy themselves that they have all current data relevant to their particular use.

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¹ Biodac is a registered trademark of Kadant GranTek Inc.
607 Liberty Street, Green Bay, WI 920.435.5200