

# Holganix LLC – Hazard Communication Safety Data Sheet

12-0-2 (20% slow release) with RegalKade 37

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 – 12-0-2 (20% slow release) with RegalKade 37®

SECTION 1	IDENTIFICATION
Holganix® LLC	Product Name: 12-0-2 (20% slow release) with RegalKade 37
54 Conchester Road	Common Name: 12-0-2 (20% slow release) with prodiamine
Glen Mills, PA 19342-1506	Product Type: granular fertilizer with herbicide
866.563.2784	
<a href="http://www.holganix.com">www.holganix.com</a>	

SECTION 2	HAZARD(S) IDENTIFICATION
Ingredient(s):	prodiamine, urea, polymer coated sulfur coated urea, muriate of potash, Holganix and Biodac® (cellulose complex)
Herbicide Chemical Name:	prodiamine (2,4-dinitro-N',N'-dipropyl-6-(trifluoromethyl)benzene-1,3-diamine) – 0.37% by weight, Threshold Limit Value – not determined
Skin	– prolonged contact may cause skin irritation after acute exposure.
Eyes	– mildly irritating.
Inhalation	- avoid breathing dust.

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS		
<b>Ingredients</b>			
Holganix Blend 66L	9.78%	Holganix Blend 66L Ingredients	
Biodac Granules	60.44%	Plant based Compost Tea	76.85%
46-0-0	26.09%	Molasses	19.03%
Muriate of Potash	3.32%	Brewer's Yeast	3.82%
Prodiamine	0.37%	Mycorrhizae	0.22%
		Yucca Extract	0.08%

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## SECTION 4 FIRST AID MEASURES

- Eye Contact:** Flush with water until clear. Seek medical attention if symptoms develop or irritation persists.
- Skin Contact:** Wash with soap and water until clear. Rinse thoroughly. Seek medical attention if symptoms develop or irritation persists.
- If Swallowed:** 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.
- If Inhaled:** Relocate to fresh air. If nasal cavity is irritated, flush with water.

## SECTION 5 FIRE-FIGHTING MEASURES

- Flash Point (°/Test Method):** None – p-m closed cup
- Flammable Limits (LFL & UFL):** Not applicable
- Extinguishing Media:** None required. Use medium appropriate for surrounding fire.
- Hazardous Combustion Products:** Not applicable
- Special Fire Fighting Procedures:** In severe fire involving 12-0-2 (20% slow release) with RegalKade 37, wear protective clothing & self contained breathing equipment.

## 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.

## SECTION 7 HANDLING AND STORAGE

Store 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 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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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Eye Protection:</b>	If granules may come in contact with eyes (e.g. when handling opened bags or filling spreaders), wear protective eyewear.
<b>Skin Protection:</b>	Before handling product, cover open sores or wounds. Wear rubber gloves when opening bags and filling spreaders.
<b>Respiratory protection:</b>	None required.
<b>Ventilation requirements:</b>	Use outdoors only.
<b>Additional Protective Measures:</b>	None required.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b>	Granules
<b>Color:</b>	Yellow, gray
<b>Odor:</b>	Sweet odor from molasses and yeast
<b>pH:</b>	Neutral
<b>Solubility in Water:</b>	Partially, Biodac granules are not soluble.
<b>Specific Gravity:</b>	0.8 – 1.2.
<b>Bulk Density:</b>	50 – 78 lbs/cu ft.
<b>Vapor Pressure:</b>	less than 1 mm

## SECTION 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Does not occur.
<b>Incompatibilities:</b>	None known.
<b>Instability Conditions:</b>	None known.
<b>Decomposition Products:</b>	Not established.

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## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Oral Ingestion:</b>	LD40 (rats) – greater than 5,000 mg/kg
<b>Eye Contact:</b>	Rabbits – mildly irritating
<b>Skin Contact:</b>	Possible skin irritation after acute exposure
<b>Skin Absorption:</b>	May cause skin sensitization in some people
<b>Inhalation:</b>	Avoid breathing dust

## SECTION 12 ECOLOGICAL INFORMATION

This product is biodegradable in the natural environment. RegalKade 37 (prodiamine) is an herbicide that kills seedling grasses. If spilled in concentrated amounts, it may inhibit grass germination until totally degraded. If a spill occurs, dig up the product and exposed soil and discard in an approved chemical waste facility. Biodac is a granule composed of cellulose material. It is a carbon source for soil. Holganix is composed of naturally occurring soil microbes.

## SECTION 13 DISPOSAL CONSIDERATIONS

12-0-2 (20% slow release) with RegalKade 37 is a granular fertilizer with RegalKade 37, a pre-emergent herbicide. Do not reuse product containers. Open dumping of product and/or product containers is prohibited.

## SECTION 14 TRANSPORT INFORMATION

Transportation of this product is not regulated.

## SECTION 15 REGULATORY INFORMATION

NFPA Ratings	Health	1
	Flammability	1
	Reactivity	0

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## 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.

Holganix LLC assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material; and Holganix LLC responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

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

RegalKade is a registered trademark of Regal Chemical Company (600 Branch Drive, Alpharetta, GA 770.521.0488).