

Holganix LLC – Hazard Communication Safety Data Sheet

Holganix Blue Sky 21-0-0

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® Blue Sky 21-0-0

SECTION 1: IDENTIFICATION

Holganix LLC

Product Name: Blue Sky 21-0-0

54 Conchester Road

Common Name: 21-0-0

Glen Mills, PA 19342-1506

Product Type: solution, slow release nitrogen fertilizer

866.563.2784

www.holganix.com

SECTION 2: HAZARD(S) IDENTIFICATION

MFPA: Health – 1 Flammability – 0 Reactivity - 0

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS*

Holganix Blue Sky 21-0-0 is a proprietary blend of urea (CAS # 57-13-6), Triazone (CAS # 7098-14-8), methylene urea (CAS # 598-50-5), molasses (68476-78-8) and water (7732-18-5).

*This Safety Data Sheet is not a guarantee of product specification or NPK value(s). NPK content is on specified sales orders, customer invoices, or product specification sheets obtained from supplier.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush with running water for at least 15 minutes, keeping eyelids open. Hold eyelids apart to ensure washing the entire surface of the eyes and eyelids. Get immediate medical attention.

Skin Contact: Wash exposed skin thoroughly with soap and water. Rinse thoroughly. Seek medical attention if symptoms develop or irritation persists. Launder contaminated clothing before wearing again.

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

If Ingested: Rinse mouth and drink 8 to 16 fluid ounces of water. Do not induce vomiting. Get immediate medical attention. Call Poison Control Center (1.800.222.1222) if ingested in large amounts. If vomiting occurs, lower the head to keep vomit from being swallowed.

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SECTION 5: FIRE-FIGHTING MEASURES

Flammable Limits (LFL & UFL): Non-flammable or combustible.

Extinguishing Media: None required. Use medium appropriate for surrounding fire. Cool containers near fire with water spray and if safe, remove containers to a safe location.

Hazardous Combustion Products: Fire will generate toxic and irritating gases.

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing should be worn when combating chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing as directed in Section 8 of this MSDS.

Environmental Precautions: Prevent further leakage if safe to do so. Do not contaminate water.

Method of Containment: Stop the flow of material if this is without risk. Dike the spilled material where possible. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Method of Cleaning Up: Contain and/or absorb the spill with inert material (e.g. sand, vermiculite, etc.), then place in suitable container. Do not flush to sewer or allow to enter waterways. Following product recovery, flush the area with water. Retain all contaminated water for removal and treatment. For waste disposal, see Section 13 of this MSDS. Uncontaminated spilled material may be reused.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with eyes and prolonged or repeated contact with skin. Wear appropriate personal, protective equipment (See section 8 of this MSDS). Avoid breathing mist or vapor. Use only in well ventilated areas. Do not use in areas without adequate ventilation. Contents may develop pressure upon prolonged storage. Handle and open container with care. Wash thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product.

Storage: Covered storage of portable containers is recommended. Store the product in original, tightly closed container. Do not store above 25°C (77°F) for maximum storage life. Protect from freezing. Store the product away from incompatible materials (See Section 10 of this MSDS). Store the product in closed, sealed containers in a cool, dry place.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) – 50ppm

Engineering Controls: Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal Protective Equipment:

Eye Protection: Wear safety glasses with eye shields (or goggles) and a face shield.

Skin Protection: Wear rubber or neoprene gloves. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection: No protection is ordinarily required. However, if feasible engineering controls do not prevent overexposure, a full-face respirator with cartridges approved by NIOSH for ammonia vapors and dusts/mists may be used only when exposure levels are known to be within the unit's capability. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown Liquid

Color: Brown

Odor: Slightly amide/amine

Physical Form: Liquid

pH: 10.6 (approx.)

Boiling Point: 212°F (100°C) (approx.)

Flash Point: None

Specific Gravity: 1.23

Solubility (water): Soluble

Bulk Density: 10.2 lbs/gal @ 25°C

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Material is stable under normal conditions.

Conditions to Avoid: Avoid storage in unanimated bulk tanks above the recommended storage temperature (See Section 7 of this MSDS). Avoid incompatible materials and intense heat.

Incompatible Materials: Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products: Ammonia fumes may be released upon heating. When heated to decomposition, the product emits acrid smoke and irritating fumes.

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SECTION 11: TOXICOLOGICAL INFORMATION

Urea (77-13-6)

Acute Oral LD50 Rats – 8,471 mg/Kg

Acute Effects: Not expected to be acutely toxic by ingestion, inhalation, or contact to skin and/or eyes.

Local Effects: May cause eye irritation. Vapor or spray in the eyes may cause irritation and stinging. Prolonged or repeated skin contact may cause irritation.

Chronic Effects: This product contains compounds that may release ammonia when heated. Prolonged or repeated exposure to ammonia vapors may harm the eyes, mucous membranes, and/or the upper respiratory tract.

Carcinogenicity: This product is not considered to be a carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Urea is a soil nutrient. Urea 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. The product is soluble in water.

Urea (CAS # 57-13-6)

EC50 Water flea (*Daphnia magna*): 3,910 mg/l 48 hours

Ammonia, anhydrous (CAS # 7664-41-7)

LC50 Carp (*Hypophthalmichthys nobilis*) 0.3 mg/l 96 hours

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: The product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in accordance with all local, state and Federal regulations. Do not allow this material to drain into sewers/water supplies.

Waste from Residues/Unused Product: Dispose in accordance with all local, state and Federal regulations.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

Transportation of this product is not regulated.

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SECTION 15: REGULATORY INFORMATION

This product is not known to be a hazardous chemical as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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).