

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

## Holganix LLC – Hazard Communication Safety Data Sheet

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

Product Name – Holganix® 30-0-0

### SECTION 1: IDENTIFICATION

**Product Name:** 30-0-0

**Common Name:** 30-0-0

**Product Type:** a slow release, liquid nitrogen fertilizer

**Holganix LLC**

54 Conchester Road

Glen Mills, PA 19342-1506

866.563.2784

[www.holganix.com](http://www.holganix.com)

### SECTION 2: HAZARD(S) IDENTIFICATION

**Physical Hazards** Not Classified.

**Health Hazards** Not Classified.

**OSHA Defined Hazards** Not Classified.

#### Product Label Warnings

**Hazard Symbol** None.

**Signal Word** None.

**Hazard Statement** None.

#### Precautionary Statements

**Caution** Keep out of reach of children.

**Eye Exposure** Immediately rinse with water.

**Skin Exposure** Wash skin thoroughly with soap and water.

**Avoid Exposure** Wear goggles with side shields, wear rubber or neoprene gloves and wear clothing to prevent repeated or prolonged skin exposure.

**Hazard(s) Not Otherwise Classified (HNOC)** None known.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS\*

**Holganix Blue 30-0-0** is an aqueous solution of urea (CAS # 57-13-6), Triazone (CAS # 7098-14-8), methylene urea (CAS # 598-50-5) 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.

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

## SECTION 4: FIRST AID MEASURES

**Eye Contact:** Immediately flush with water for a period of 15 minutes. If eye irritation develops and persists, get 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 if irritation occurs and persists. Call the Poison Control Center (1.800.222.1222) if ingested in large amounts. If vomiting occurs, lower the head to keep vomit from being swallowed.

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water fog, foam, dry chemical power or carbon dioxide (CO<sub>2</sub>).

**Hazardous Combustion Products:** If involved in a fire, this product may generate hazardous gases.

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

**Protective Equipment and Firefighting Procedures:** Self-contained breathing apparatus and full protective clothing should be worn when combating chemical fires. Use personal protective equipment and follow firefighting procedures appropriate to workplace conditions.

**Firefighting equipment and instructions:** Use standard firefighting equipment. Consider hazards from other fire involved materials. If possible move nearby containers to a safe location.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**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 possible without risk. Dike the spilled material where possible. Prevent further leakage or spillage if safe to do so. Do not allow spillage to reach drains, sewers or waterways. If this is not possible, contact local authorities..

**Method of Cleaning Up:**                **Small Spill:** Wear rubber gloves. Absorb spill with paper or cloth. Place the contaminated paper or cloth in appropriate disposal containers. Thoroughly clean the surface to assure that all remaining contaminant is removed.

**Large Spill:** 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 the spill 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 SDS. 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 SDS). Avoid breathing mist or vapor. Use only in

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

well ventilated areas. Do not use in areas without adequate ventilation. 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 SDS). Store the product in closed, sealed containers in a cool, dry place.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

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

COMPONENT	TYPE	VALUE
Ammonia (CAS 7664-41-7)	PEL	35 mg/m <sup>3</sup> 50 ppm

#### US. ACGIH Threshold Limit Values

COMPONENT	TYPE	VALUE
Ammonia (CAS 7664-41-7)	STEL	35 ppm 25 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

COMPONENT	TYPE	VALUE
Ammonia (CAS 7664-41-7)	STEL	27 mg/m <sup>3</sup> 35 ppm 18 mg/m <sup>3</sup> 25 ppm

#### US. Workplace Environmental Exposure Level (WEEL) Guides

COMPONENT	TYPE	VALUE	FORM
Urea (CAS 57-13-6)	TWA	10 mg/m <sup>3</sup>	Total Particulate

**Biological Limit Values:** No biological exposure limits are noted for the ingredients.

**Engineering Controls:** Adequate ventilation should be provided so that exposure limits are not exceeded. Eyewash stations should be installed in the workplace.

### Personal Protective Equipment:

**Eye and Face Protection:** Wear safety glasses with side-shields or goggles and a face shield.

**Skin Protection:** Wear rubber or neoprene gloves. Wear clothing that will provide protection from repeated or prolonged contact with chemical splashes or spills.

**Respiratory Protection:** Where engineering controls do not maintain airborne concentrations of chemicals below recommended exposure limits, an approved respirator must be worn. Use suitable respiratory equipment with a particle filter. In the USA, if respirators are used, institute a program to assure compliance with OSHA 29 CFR 1910.134 and ANSI Z88.2.

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

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless liquid.
<b>Physical State</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear, colorless.
<b>Odor</b>	Strong amide/amine.
<b>Odor/Threshold</b>	Not available.
<b>pH</b>	Approximately 10.1.
<b>Melting Point/Freezing Point</b>	Not applicable.
<b>Initial Boiling Point and Boiling Range</b>	Approximately 212°F (100°C).
<b>Flash Point</b>	None when heated to the boiling point (212°F - 100°C).
<b>Evaporation Rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/Lower Flammability or Explosive Limits</b>	
<b>Flammability Limit – Lower %</b>	Not available.
<b>Flammability Limit – Upper %</b>	Not available.
<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	Not available.
<b>Relative Density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (Water)</b>	Soluble.
<b>Partition Coefficient (n-octanol/H<sub>2</sub>O)</b>	Not available.
<b>Auto-Ignition Temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other Information</b>	
<b>Bulk Density</b>	10.5 lb/gal@ 25°C (77°F)
<b>VOC (Weight %)</b>	Not available

**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 SDS). Store the product in closed, sealed containers in a cool, dry place.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** This product is stable and non-reactive under normal use, storage and transport conditions.

**Chemical Stability:** The material is stable under normal storage and transport conditions.

**Possibility of Hazardous Reactions:** There are no dangerous reactions known under normal conditions of use.

**Conditions to Avoid:** Avoid storage in unagitated bulk tanks above the recommended storage temperature (25°C (77°F)) and (see Section 7 of this SDS). Avoid incompatible materials (see below in this Section 10 of the SDS) and intense heat.

**Incompatible Materials:** This product is incompatible with strong oxidizing agents and strong acids.

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

**Hazardous Decomposition Products:** Ammonia fumes may be released upon heating. When heated to decomposition, acrid smoke and irritating fumes are emitted.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

**Inhalation:** In high concentration, vapors may be irritating to the respiratory system.

**Skin Contact:** May cause skin irritation on prolonged or repeated contact.

**Eye Contact:** May cause eye irritation on direct contact.

**Ingestion:** May cause discomfort if swallowed.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics:** May cause skin irritation on prolonged or repeated contact.

### Information on Toxicological Effects:

#### Accute Toxicity

COMPONENT	SPECIES	TEST RESULTS
Ammonia (CAS 7664-41-7)		
<b>Acute</b> Inhalation LC50	Rat	5.1 mg/l, 1 Hour
Oral LD50	Rat	350 mg/kg, as Ammonium Hydroxide
Urea (CAS 57-13-6)		
<b>Acute</b> Oral LD50	Rat	14,300 mg/kg

**Skin Corrosion/Irritation:** Prolonged exposure may cause irritation.

**Serious Eye Damage/Eye Irritation:** Direct contact may cause eye irritation.

### Respiratory or Skin Sensitization

**Respiratory Sensitization:** No data available.

**Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** not listed

**Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity, Single Exposure:** No data available.

**Specific Target Organ Toxicity, Repeated Exposure:** No data available.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

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

**Further Information:** No other specific acute or chronic health impacts were noted.

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

COMPONENTS	ACCUTE	SPECIES	TEST RESULTS
Ammonia (CAS 7664-41-7) Aquatic Fish	LC50	Chinook Salmon ( <i>Oncorhynchus tshawyscha</i> )	0.43 – 047 mg/l, 96 Hours
Urea (CAS 57-13-6) Aquatic Fish	LC 50	Ide ( <i>Leuciscus idus</i> )	> 6,810 mg/l, 96 Hours

**Persistence and Degradability:** This product is biodegradable under aerobic and anaerobic conditions.

**Bioaccumulative Potential:** No data is available for this product.

**Partition Coefficient – n-octanol / water (logKow)**

Urea (CAS 58-13-6) -02.11

**Mobility in Soil:** This product is water soluble and may disperse in soil water.

**Other Adverse Effects:** No data is available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Dispose in accordance with local, state and federal laws and regulations at the time of the disposal. Do not allow the contents of the package to drain in to sewers or water sheds.

**Hazardous Waste Code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from Residues/Unused Products:** Disposal recommendations are based upon the material as supplied. Disposal must be in accordance with all local, state and federal laws and regulations at the time of the disposal.

**Contaminated Packaging:** An empty container may still retain a product residue. Therefore, it is mandatory to follow label warnings even if you believe the container to be empty.

## SECTION 14. TRANSPORT INFORMATION

**DOT:** This product is not regulated as dangerous goods.

**IATA:** This product is not regulated as dangerous goods.

**IMDG:** This product is not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not established.

## SECTION 15. REGULATORY INFORMATION:

**U.S.A. Federal Regulations:** This product is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

# Holganix LLC – Hazard Communication Safety Data Sheet

30-0-0

July 20, 2017

**TSCA Section 12(b) Export Notification (40 CFR 707. Subpt. D):** This product is not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** This product is not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Ammonia (CAS 7664-41-7) This product is listed.

## Superfund Amendments and Reauthorization Act of 1986 (SARA):

**Hazard Categories:** Immediate Hazard – No  
Delayed Hazard – No  
Fire Hazard – No  
Pressure Hazard – No  
Reactivity Hazard – No

## SARA 302 Extremely Hazardous Substance

Chemical Name	CAS #	Reportable Quantity	Threshold Planning Quantity	Threshold Planning Quantity Lower Value	Threshold Planning Quantity Upper Value
Amonia	7664-41-7	100	500 lbs		

**SARA 311/312 Hazardous Chemical:** No

**SARA 313 (TRI Reporting):** Not Regulated.

## Other Federal Regulations:

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not Required.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
Ammonia (CAS 7664-41-7).

**Safe Drinking Water Act (SDWA):** Not required.

## US States Regulations:

**California:** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Listed Substances:**  
Not listed.

## Massachusetts RTK – Substance List:

Ammonia (CAS)7664-41-7

## New Jersey Worker and Community Right-to-Know Act:

Ammonia (CAS)7664-41-7

## Pennsylvania Worker and Community Right-to-Know Law

Ammonia (CAS)7664-41-7

## Rhode Island RTK:

Ammonia (CAS)7664-41-7

## International Inventories:

Country(s) or Region	Inventory Name	On Inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA): Listed Substance	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# Holganix LLC – Hazard Communication Safety Data Sheet

---

30-0-0

July 20, 2017

## SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Issue Date:** July 7, 2017

**Revision Date:** July 7, 2017

**Version #:** 01

### List of Abbreviations:

**LD50:** Lethal Dose to kill 50% of the population of animals.

**LC50:** Lethal Concentration to kill 50% of the population.

**Disclaimer:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Holganix LLC makes no warranties, expressed or implied, including, but not limited to, any implied merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether this product is fit for a particular purpose and suitable for the user's method of use or application and assumes the risk of use thereof. The conditions and use of this product are beyond the control of Holganix LLC and Holganix LLC disclaims any liability for loss or damage incurred in connection with the use or misuse of this product. Each user should review the recommended industrial hygiene and safe handling procedures.