

Section 1 – Identification

Product FertiZink

Recommended Use:

Micronutrient fertilizer

Manufacturer TradeMark Nitrogen Corp.

Address 1216 Old Hopewell Road, Tampa, FL 33619

Phone (813) 626-1181 (800) 452-3107

24 Hour Chemtrec U.S.A. Chemtrec BRAZIL

Emergency
Contact (800) 424-9300 (55)-2139581449

Section 2 – Hazard Identification



GHS07

Signal Word: **WARNING**

Hazard Statements:

H303 May be harmful if swallowed

H313 May be harmful in contact with skin

H320 Causes eye irritation

H333 May be harmful if inhaled

H371 May cause damage to organs

Precautionary Statements:

P101 If medical advice is needed, have product container or label on hand.

P102 Keep out of reach of children

P103 Read label before use

P202 Do not handle until all safety precautions have been read and understood

P210 Keep away from open flames. - No Smoking

P211 Do not spray on an open flame or other ignition source

P220 Keep / Store away from combustible materials

P221 Take any precaution to avoid mixing with combustible materials

P233 Keep container tightly closed

P260 Do not breathe fume, mist, spray, vapours

P262 Do not get in eyes, on skin, or on clothing.

P263 Avoid contact during pregnancy / while nursing

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well ventilated area

P273 Avoid release to the environment

P280 Wear eye protection, protective clothing, protective gloves

P311 Call a POISON CENTER or doctor / physician

P331 Do NOT induce vomiting (unless instructed by poison center or doctor)

P302+P352 IF ON SKIN: Wash with plenty of water

P305+P351+ IF IN EYES: Rinse cautiously with water for several minutes.

P338 Remove contact lenses, if present and easy to do. Continue

P332+P313 If skin irritation occurs: Get medical advice / attention

P337+P313 If eye irritation persists: Get medical advice / attention

P362 Take off contaminated clothing

P501 Dispose of contents / container according to local, regional, national, and international regulations

Section 3 – Composition

Ingredients	Component	CAS. No.	Percent by Weight
	Proprietary Ingredients	N/A	95.5%
	Potassium Nitrate	7757-79-1	12.0%
	Zinc Oxide	1314-13-2	6.3%

Section 4 – First Aid Measures

Inhalation If inhaled: Remove person to fresh air and keep comfortable for breathing. Provide artificial respiration if necessary. Seek medical attention if necessary.

Skin Contact If on skin (or hair): Take off all contaminated clothing. Rinse skin with soap and water for at least 15 minutes.

Eye Contact If in eyes: Immediately flush eyes with water. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention as necessary.

Ingestion If swallowed: Call a poison control center or doctor immediately for treatment advice. Drink small amounts of water if able. Do NOT induce vomiting unless instructed by poison control center or doctor. Never give anything by mouth to

Acute Health Hazards Harmful if swallowed or inhaled. Redness and irritation of tissue may occur. Ingestion may lead to stomach aches and nausea.

Chronic Health Hazards None known.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Techniques & Equipment This product is not combustible.

Chemical Hazards From Fire None known.

Special Fire Fighting Procedures In the case of a fire, wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion.

NFPA Rating Health - 1 (Slight)
Fire - 0 (Least)
Reactivity - 0 (Low)

Other Do not allow run-off from fire fighting to enter drains or water



Section 6 – Accidental Release Measure





Personal Precautions	Avoid splashing. Prevent exposure to spilled material with the use of proper PPE.
Protective Equipment	PPE should include gloves, goggles, face shield and level C protective suit.
Containment	Control the flow of product using dikes of soil, sand bags or other commercially available inert sorbent socks or booms.
In Case of Spill	Absorb product with inert absorbent. Avoid splashing or spraying. Contain and pick up spill in diked area. Prevent discharge to sewers or water ways. If uncontaminated, recover and re-use.

Section 7 – Safe Handling & Storage

Precautions for Safe Handling & Storage	<p>Storage: Store in a well ventilated dry place warmer than 32°F. Do not store near food, consumables, medications or potable water supplies. Containers should be kept closed and labeled properly.</p> <p>Handling: Users who may be exposed to the undiluted product through mixing, loading, application, or other tasks must wear: Safety goggles, long sleeve chemical protective clothing, chemical resistant gloves and boots. Users who may be exposed to the diluted product must wear: Protective eyewear (safety goggles or face shield), rubber gloves, long-sleeved shirt and long pants with rubber boots.</p>
Incompatible Materials	Avoid products with high alkalinity.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits	Component	Permissible Exposure Limit	Threshold Limit Value	Short Term Exposure Limit	Immediately Dangerous to Life or Health
	Proprietary Ingredients	Not Established	Not Established	Not Established	Not Established
	Potassium Nitrate	OSHA PEL TWA: 15 mg/m ³	ACGIH TLV TWA: 10 mg/m ³		
	Zinc Oxide	ACGIH TWA: 5 mg/m ³ (Fumes) 10 mg/m ³ (Dust)			
Engineering Controls	Use in a well ventilated area. Eye wash stations and showers should be readily available.				

Personal Protective Equipment	Eyes	Chemical safety goggles or face shield.			
	Hands	Impervious chemical protective gloves.			
	Respiratory	None required under normal conditions. NIOSH approved respirator if there is a mist of the product.			
	Protective Clothing				
					
	Gloves	Goggles	Protective Clothing	Respiratory Protection	

Section 9 – Physical & Chemical Properties

Appearance and Odor	White opaque odorless liquid	Specific Gravity	1.2
Boiling Point	No Data Available	Molecular Weight	No Data Available
Freezing Point	No Data Available	Solubility in Water	No Data Available
Vapor Pressure	No Data Available	Evaporative Rate	No Data Available
Weight per Gallon	10 lbs per gallon	pH	7 - 7.5
Flash Point	No Data Available	Salt-Out Temp	No Data Available
Flammability Limits	No Data Available	Auto Ignition Temp	No Data Available
UEL	No Data Available	LEL	No Data Available

Section 10 – Stability & Reactivity

Reactivity	Product is not reactive under normal conditions.
Stability	Product is stable under normal conditions.
Hazardous Reactions	None known.
Conditions to Avoid	Extreme temperatures.
Incompatible Materials	Contact manufacturer before attempting to combine with any other products.
Hazardous Decomposition Products	None known.

Section 11 – Toxicology Information

Routes of Exposure	Inhalation, ingestion or skin/eye absorption	
Symptoms and Signs of Exposure	Eyes	May cause eye irritation. May result in redness, tearing or blurred vision.
	Skin	Mild irritant. May result in redness, itching and pain. Zinc nano particles may be absorbed through the skin.
	Inhalation	May cause irritation to the respiratory tract.
	Ingestion	May be harmful if swallowed.
Long Term Effects	None known.	
Carcinogen	No Data Available	

Section 12 – Ecological Information

Ecotoxicity No Data

Persistence Available

and

Degradability

:

Bioaccumulation Potential: No Data

ive Potential: Available

Mobility in No Data

Soil: Available

Other No Data

Adverse Available

Effects:

Section 13 – Disposal Considerations

Waste Disposal must be done in accordance with local, state and federal environmental regulations. Place waste in an appropriate container with correct labeling.

Section 14 – Transport Information

US DOT

This material is not hazardous as defined by 49 CFR 172.101 by the US Department of Transportation

UN ID Number N/A

Proper N/A

Shipping
Name

Hazard Class N/A

Packing
Group N/A

US DOT Label N/A

Authorized
Packaging N/A

IMDG

This material is not classified as a dangerous good per the IMDG code.

UN ID N/A

Number

Proper N/A

Shipping
Name

Hazard Class N/A

Packing
Group N/A

US DOT Label N/A

Authorized
Packaging N/A

IATA

This material is not classified as a dangerous good per the IATA code.

UN ID N/A

Number

Proper N/A

Shipping
Name

Hazard Class N/A

Packing
Group

US DOT Label N/A

Authorized
Packaging

Section 15 – Regulatory Information

United States - SARA Hazard Category This product has not been reviewed according to the EPA Hazard Categories promulgated under Sections 302 and 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA).

SARA Title III Materials have not been reviewed.

Information	Chemical	CAS No.	CERCLA RQ (lbs.)	SARA Reporting		
				302	311/312	313
	Potassium Nitrate	7757-79-1	No	No	No	Yes(1)
	Zinc Oxide		No	No	Yes	Yes (2)

(1) N511 Nitrate compounds (water dissociable; reportable when in aqueous solution)
(2) Yes, Zn & Pb compounds

CERCLA / Superfund, 40 CFR Part 117, 302 If this product contains components subject to substances designated as CERCLA reportable Quantity (RQ) Substances, it will be designated in the above table with the RQ value in pounds. If there is a release of RQ Substance to the environment, notification to the National Response Center, Washington DC (800-424-8802) is required.

TSCA Potassium Nitrate and Zinc Oxide are listed on the Active TSCA Inventory