TRADEMARK NITROGEN

SAFETY DATA **MAGNESIUM NITRATE SOLUTION** SHEET

Section 1 – Identification

Product

Magnesium Nitrate Solution

Manufacturer	TradeMark Nitrogen Corp.
Address	1216 Old Hopewell Road, Tampa, FL 33619
Phone	(813) 626-1181 (800) 452-3107
24 Hour Emergency	Chemtrec
Contact	(800) 424-9300

Recommended Use:

Used in the production of fertilizers.

Section 2 – Hazard Identification



Signal Word: Hazard Statements

WARNING

	H302 Harmful if swallowed
	H320 Causes serious eye irritation
	H335 May cause respiratory irritation
Precautionary Statements:	
	P101: If medical advice is needed, have produc
	P102: Keep out of reach of children.
	P103 Read label before use

P101:	If medical	advice is	needed,	have proc	duct cor	ntainer or	label at	i hand.

- P103 Read label before use
- P210 Keep away from open flames. No Smoking
- P260 Do not breathe fume, mist, spray, vapours
- 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
- P280 Wear eye protection, protective clothing, protective gloves
- P331 Do NOT induce vomiting
- P301+P330 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell
- P302+P352 IF ON SKIN: Wash with plenty of water

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P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

- lenses, if present and easy to do. Continue rinsing
- 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 – Co	mposition				
Ingredients	Component	CAS. No.	Percent by Weight		
	Magnesium Nitrate (Mg(NO ₃) ₂)	10377-60-3	38.5%		
	Water (H ₂ 0)	7732-18-5	Balance		

Section 4 – First Ai			
Inhalation	If inhaled: Remove p necessary.	son to fresh air and keep comfortable for breathing. Provide artificial res	piration if necessary. Seek medical attention if
Skin Contact	()	e off all contaminated clothing. Rinse skin with soap and water for at lea inated clothing before reuse.	st 15 minutes. Seek medical attention if irritation
Eye Contact		rinse with water for several minutes. Remove contact lenses, if present a attention if irritation persists.	and easy to do. Continue rinsing for at least 15
ngestion	If swallowed: Do NO attention.	induce vomiting. Drink large amounts of water. Never give anything by n	nouth to an unconscious person. Seek medical
Acute Health Hazards	(methemoglobinemia	nay reduce the bloods ability to transport oxygen causing headache, fati Moderate irritant of eyes, skin, mucous membranes, and contaminated t dness. Ingestion can be harmful or fatal.	
Chronic Health Hazards		the primary health effect. Prolonged skin contact may result in dermititue unts may cause weakness, depression, headaches, neurological effects	
Section 5 – Fire Fig	hting Measures		
Suitable Extinguishing Techniques & Equipment	Not combustible or re	ctive, but can contribute to the intensity of the fire. Water spray is recom acceptable. Wear self-contained breathing apparatus and full protective	
Chemical Hazards From Fire	In a fire this material	ay decompose and produce acrid vapors, magnesium compounds and c	xides of nitrogen.
Special Fire Fighting Procedures	Use extinguishing ag	t most appropriate to surrounding materials.	
NFPA Rating	Health - 1 (Slight)		
Ū	Fire - 0 (Least)		
	Reactivity - 0 (Least)		
Other	Do not allow run-off f	n fire fighting to enter drains or water courses.	\checkmark
Section 6 – Accider	ntal Release Measu		
		nt exposure to spilled material with the use of proper PPE.	
Protective Equipment	PPE should include g	ves, goggles and protective clothing.	
Containment	Avoid release to envi	nment. Control the flow of product using dikes of soil, sand bags or othe	r commercially available inert sorbent socks or boom
In Case of Spill	Absorb product with i If uncontaminated, re	ert absorbent. Avoid splashing or spraying. Contain and pick up spill in d over and re-use.	iked area. Prevent discharge to sewers or water ways
Section 7 – Safe Ha	ndling & Storage		
		d cool dry place. Containers should be kept closed and properly labeled	
Incompatibility	Flammable and com	tible materials, strong reducing agents and strong acids, finely powdered	l metals.
Section 8 – Exposu	re Controls / Perso	al Protection	
Exposure Limits	Component	ermissible Exposure Threshold Limit Short Term Immediately E mit Value Exposure Limit to Life or Hea	5
	Magnesium Nitrate (Mg(NO3)2)	ot Established Not Established Not Established Not Established	ed
	Water (H ₂ O)	ot Established Not Established Not Established Not Established	ed
Engineering Controls	Local or general exha	st. Eyewash and emergency shower facilities should be available.	
Personal Protective	Eyes	hemical safety goggles or safety glasses.	
Equipment	Hands	apervious chemical protective gloves.	
	Respiratory Protective Clothing	one required under normal conditions. NIOSH approved respirator if the	re is a mist of the product.
	MAN IN THE REAL PROPERTY OF TH		

Gloves

Protective Clothing

Goggles **Respiratory Protection**

Ageearance and Ode Unite to a defacible door. Section (Section Wagent Section 2) No Data Available Wagent No Data Available No Data Available Wagent No Data Available Veryor Pressure Veryor	Section 9 - Physica	al & Chemical Propertie	S		
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Value Solution 1000000000000000000000000000000000000		little to no detectable odor	•		
Number of all of the strength of the s				Weight	
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Carding of the second	Gallons per Ton	177.6		Salt-Out Temp	15°F
Staction 10 - Stability 4 Product is not reade under normal conditions. Reachity Product is not reade under normal conditions. Hazardous Reaction Noe known. Hazardous polymertzation will not occur. Kee paway from direct heat sources. Avoid heating within a confined space. Avoid incompatibilities and contamination. Avoid temperatures above 120° (PC). Incompatible Materials Avoid contact with readity oxidizable materials, strong acids, strong reducing agents, alkalis and finely powdered metals. Hazardous Externe heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides. Decomposition Free heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides. Decomposition Free heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides. Decomposition Free heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides. Decomposition Free heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides. Symptoms and Signs Eyes Mild eye instation. Grapouro Free material. Mathemational Agency for Research on Cancer heat not classified dagnesium Nitrate for its carcinogenic potential (IARC 1987). Station 12 - Ecological Information No Data Available No Data Available Water Heig concentrations may be harmful to fish a	Flammability Limits	No Data Available		•	Not Flammable
Reactive Product is not reactive under normal conditions. Avoid interaction with heat (flames), oxidizers, acids or alkalis. Verture	UEL	No Data Available		LEL	No Data Available
Stability Product is stable under normal conditions. Hazardous Reactions None known. Hazardous polymerization will not occur. Conditions to Avidd Keep servery for milers: hets occurses. Avid heating within a confined space. Avid incompatibilities and contamination. Avid temperatures above 120°F (49°C) and below 32°F (0°C). Incompatible Materials Market contact with readily oxidizable materials, strong acids, strong reducing agents, aikalis and finely powdered metals. Mazardous Decomposing Externe heart av cause decomposing to acid vapors, magnesium compounds and nitrogen oxides. Decomposing Inhialation, ingestion or skinkye absorption Section 11 - Toxi-USTURITION Mild eristion. Section 11 - Sixin Mild eristion or skinkye absorption Symptoms and Sign Sixin Mild eristion. Symptoms and Sixin Cance acid adominal pain, vonting, darmhes and methemoglobinemia. Inhialation, ingestion or skinkye absorption text and mucous merbranes. Symptoms and Sixin La gency for Research on Cancer has not classified Magnesium Nitrate for its carcinogenic potential (ARC 1987). Section 12 - Expecting High concentrations may be harmful to fish and other aquatic organisms. Section 12 - Expecting No Data Available Persistence and Pain Painter Sixing Paint	Section 10 – Stabil	ity & Reactivity			
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United States - SARA Hazard Category	This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act (SARA) and is considered, under applicable definitions, to meet the following categories:							
	Fire - No	Pressure - No	Reactive - No	Acute - No	Chronic - No			
SARA Title III Information	This product contains the following substances subject to the reporting requirements of Title III (EPCRA) of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:							
	Chemical	CAS No.	CERCLA RQ (lbs.)	SARA Reportir	ng			
				302	304	313		
	Magnesium Nitrate	10377-60-3	N/A	N/A	N/A	N/A		
Section 16 – Other	<u> </u>		· 5	<i>.</i>	listed on the Active TSC	,		
	Information							
	4/4/2023							
Issue Date Date of Revision	4/4/2023 April 2023 salt out te meet GHS Requiem	ents. June 2018 SE	S format updated. O	ctober 2017 SDS	nt revised to include the update to meet GHS Sta ndix D to meet Global Ha	andards. August 2014 7	SCA statement revis	