TRADEMARK NITROGEN

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SAFETY DATA SHEET

Product

Section 1 – Identification

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

Magnesium Nitrate 66.5% Solution

Recommended Use: Utilized in a variety of industrial chemical

processes.

Section 2 – Hazard Identification



Signal Word: WARNING Hazard Statements

- H302 Harmful if swallowed
- H320 Causes serious eye irritation
- H335 May cause respiratory irritation

Precautionary

Statements:

- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- 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
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- 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
	Magnesium Nitrate Hexahydrate Mg(NO ₃) ₂ .6H ₂ O	13446-18-9	66.5%
	Water (H ₂ 0)	7732-18-5	Balance

Section 4 – First Ai								
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		Take off all contaminated aminated clothing before	-	kin with soap and v	water for at least 15 minutes. Seek medical attention if irritation			
Eye Contact	If in eyes: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.							
Ingestion	If swallowed: Do NOT induce vomiting. Drink large amounts of water. Never give anything by mouth to an unconscious person. Seek medical attention.							
Acute Health Hazards	High levels of nitrates may reduce the bloods ability to transport oxygen causing headache, fatigue, dizziness and blue lips and skin (methemoglobinemia). Moderate irritant of eyes, skin, mucous membranes, and contaminated tissue. Prolonged contact can result in tissue damage which could lead to blindness. Ingestion can be harmful or fatal.							
Chronic Health Hazards	Methemoglobinemia is the primary health effect. Prolonged skin contact may result in dermititus (inflamation and redness of skin). Repeated ingestion of small amounts may cause weakness, depression, headaches, neurological effects and mental impairment.							
Section 5 – Fire Fig	hting Measures							
Suitable Extinguishing Techniques & Equipment	Not combustible or r	reactive, but can contribu re acceptable. Wear sel	-		spray is recommended. Halon, foam, dry chemical, CO2 or any ABC full protective gear.			
Chemical Hazards From Fire	In a fire this material	may decompose and pr	roduce acrid vapor	rs, magnesium con	npounds and oxides of nitrogen.			
Special Fire Fighting Procedures	Use extinguishing a	gent most appropriate to	surrounding mate	rials.	_			
NFPA Rating	Health - 1 (Slight)							
	Fire - 0 (Least)							
	Reactivity - 0 (Least)						
Other		from fire fighting to ente	r drains or water c	ourses.	\checkmark			
Section 6 – Accide Personal Precautions		ure event exposure to spilled	material with the	use of proper PPF				
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Protective Equipment	PPE should include	gloves, goggles and pro	tective clothing.					
Containment	Avoid release to env	ironment. Control the flo	ow of product using	g dikes of soil, sand	d 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 Ha								
Precautions for Safe Handling & Storage	Store in a well ventil	ated cool dry place. Con	itainers should be	kept closed and pr	operly labeled.			
Incompatibility	Flammable and com	nustible materials, strong	reducing agents a	and strong acids, fi	nely powdered metals.			
Section 8 – Exposu	ire Contr <u>ols / Pers</u>	onal Protection						
Exposure Limits	Component	Permissible Exposure Limit	Threshold Limit Value	Short Term Exposure Limit	Immediately Dangerous to Life or Health			
	Magnesium Nitrate (Mg(NO3)2)	Not Established	Not Established	Not Established	Not Established			
		Not Established	Not Established	Not Established	Not Established			
	Water (H ₂ O)			cilities should be av	vailable.			
Engineering Controls	. ,	naust. Eyewash and eme	ergency shower fai					
	. ,							
Engineering Controls Personal Protective Equipment	Local or general exh Eyes Hands	naust. Eyewash and eme Chemical safety goggl Impervious chemical p	es or safety glasse protective gloves.	es.				
Personal Protective	Local or general exh	naust. Eyewash and eme Chemical safety goggl Impervious chemical p	es or safety glasse protective gloves.	es.	espirator if there is a mist of the product.			

Gloves

Protective Clothing

Goggles

Respiratory Protection

Appearance and Odor		operties	a 10 -	1.050			
	Colorless to slightly little to no detectab		Specific Gra	1.359			
Boiling Point	> 212°F at 1 atmosphere		Molecular Weight	No Data Available			
Freezing Point	< 5°F		Solubility in Water	No Data Available			
√apor Pressure	No Data Available		Flash Point	Not flammable			
Weight per Gallon	11.33 lbs/gal @ 68	₿°F	3.5 - 5.0				
Gallons per Ton	176.5		Salt-Out Ten	ир 21°F (-6.1°C)			
-lammability Limits	No Data Available		Auto Ignition Temp	Not Flammable			
JEL	No Data Available		LEL	No Data Available			
Section 10 – Stabili							
Reactivity		tive under normal condition	ons. Avoid interaction with heat (lames), oxidizers, acids or alkalis.			
Stability	Product is stable up	nder normal conditions.	,				
Hazardous Reactions	None known. Hazardous polymerization will not occur.						
Conditions to Avoid	Keep away from direct heat sources. Avoid heating within a confined space. Avoid incompatibilities and contamination. Avoid extreme heat and protect incompatible materials.						
ncompatible Materials	Avoid contact with readily oxidizable materials, strong acids, strong reducing agents, alkalis and finely powdered metals.						
Hazardous Decomposition Products	Extreme heat may	cause decomposing to ac	rid vapors, magnesium compou	nds and nitrogen oxides.			
Section 11 – Toxico	logy Information	n					
Routes of Exposure		n or skin/eye absorption					
Symptoms and Signs	Eyes	Mild eye irritation.					
	Eyes Skin	Mild eye irritation. Mild irritant.					
		Mild irritant.	tract and mucous membranes.				
	Skin Inhalation	Mild irritant. May irritate respiratory	tract and mucous membranes. pain, vomiting, diarrhea and met	hemoqlobinemia.			
of Exposure	Skin Inhalation Ingestion	Mild irritant. May irritate respiratory Can cause abdominal	pain, vomiting, diarrhea and met	hemoglobinemia.			
of Exposure	Skin Inhalation Ingestion Methemoglobinem	Mild irritant. May irritate respiratory Can cause abdominal ia is the primary long-term		hemoglobinemia.			
of Exposure	Skin Inhalation Ingestion Methemoglobinem	Mild irritant. May irritate respiratory Can cause abdominal	pain, vomiting, diarrhea and met	hemoglobinemia.			
ong Term Effects	Skin Inhalation Ingestion Methemoglobinem No limits have been Rat Oral Toxicity	Mild irritant. May irritate respiratory Can cause abdominal ia is the primary long-term n set for this material. LD ₅₀	pain, vomiting, diarrhea and met health effect of over-exposure. 5,440 mg/kg	hemoglobinemia. um Nitrate for its carcinogenic potential (IARC 1987).			
of Exposure Long Term Effects Toxicity Carcinogen	Skin Inhalation Ingestion Methemoglobinemi No limits have bee Rat Oral Toxicity The International A	Mild irritant. May irritate respiratory Can cause abdominal ia is the primary long-term n set for this material. LD ₅₀	pain, vomiting, diarrhea and met health effect of over-exposure. 5,440 mg/kg				
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Symptoms and Signs of Exposure Long Term Effects Toxicity Carcinogen Section 12 – Ecolog Water Ecotoxicity Persistence and Degradability Bioaccumulative potential Mobility in soil	Skin Inhalation Ingestion Methemoglobinemi No limits have been Rat Oral Toxicity The International A gical Information High concentration No Data Available No Data Available	Mild irritant. May irritate respiratory Can cause abdominal ia is the primary long-term n set for this material. LD ₅₀ Agency for Research on C	pain, vomiting, diarrhea and met n health effect of over-exposure. 5,440 mg/kg ancer has not classified Magnes				
of Exposure Long Term Effects Toxicity Carcinogen Section 12 – Ecolog Water Ecotoxicity Persistence and Degradability Bioaccumulative potential	Skin Inhalation Ingestion Methemoglobinemi No limits have bee Rat Oral Toxicity The International A gical Information High concentration No Data Available No Data Available This product is not	Mild irritant. May irritate respiratory Can cause abdominal ia is the primary long-term n set for this material. LD ₅₀ Agency for Research on C	pain, vomiting, diarrhea and met n health effect of over-exposure. 5,440 mg/kg ancer has not classified Magnes				

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

Additional Information Dispose of used containers at an approved waste handling facility. Empty containers may contain residue of the product, follow label warnings even after container is emptied.

Section 14 - Trans	nort Information						
Section 14 – Trans	Not regulated as						
DOT	dangerous goods						
IMDG	Not regulated as						
	dangerous goods						
IATA	Not regulated as						
	dangerous goods						
Special Precautions	None known						
STCC Code	2871315						
Section 15 – Regul	atory Information						
United States - SARA Hazard Category	This product has been		•	•	•	s 311 and 312 of Title III of t t the following categories:	the Superfund
	Fire - No	Pressure - No	Reactive - No	Acute - No	Chronic - No		
SARA Title III Information	This product contain Reauthorization Act	•		reporting requirer	nents of Title III (EPCR	A) of the Superfund Amend	lments and
	Chemical CAS No.	CAS No.	CERCLA RQ (lbs.)	SARA Reporting			
				302	304	313	
	Magnesium Nitrate	13446-18-9	N/A	N/A	N/A	N/A	
CERCLA / Superfund, 40 CFR Part 117, 302		RQ value in pounds	s. If there is a release			y (RQ) Substances, it will be otification to the National Re	
TSCA	Magnesium Nitrate i	s a hydrated form of	f Nitric Acid, Magnesiu	m Salt, which is I	isted on the Active TSC	CA inventory.	
Section 16 – Other	Information						
Issue Date	2/12/2024						
Date of Revision	February 2024 SDS include the word 'Ac	tive'. May 1, 2019 S gust 2014 TSCA sta	SDS updated to meet 0	GHS Requiement	s. June 2018 SDS form	adjusted. June 2019 TSCA nat updated. October 2017 ce with 29 CFR 1910.1200	SDS update to meet
Disclaimer	This information is fu persons possessing and no liability is ass	urnished free of chan technical knowledg sumed by TradeMar	rge and is based on da e at their own discretio k Nitrogen Corp. in co	ata believed to be on and risk. Since njunction with the	e accurate and reliable actual use is beyond o use of this information	te to any process or use wi as of the date hereof. It is ir our control, no warranty, exj . Nothing herein is to be co γ to vendee or third person	ntended for use by pressed or implied, instrued as a