TRADEMARK

	RADEMARK NITROGEN	
SAFETY DATA SHEET	C-Nite [®] CALCIUM N	ITRITE 30% SOLUTION
Section 1 – Ic	dentification	
Product	C-Nite [®] Calcium Nitrite 30% Solution	Recommended Use:
		As a corrosion inhibitor in concrete
Manufacturer	TradeMark Nitrogen Corp.	
Address	1216 Old Hopewell Road, Tampa, FL 33619	
Phone	(813) 626-1181 (800) 452-3107	
24 Hour	Chemtrec	
Emergency Contact	(800) 424-9300	
Section 2 – H	lazard Identification	
	>	

GHS07

Signal Word: WARNING

Hazard Statements:

H302	Harmful if swallowed
H320	Causes eye irritation

Precautionary Statements:

- P260 Do not breathe dust / fume / gas / mist / vapors / spray
- P264 Wash thoroughly after handling
- P270 Do not eat, drink or smoke when using this product

Section 3 – C	Composition		
Ingredients	Component	CAS. No.	Percent by
	Calcium Nitrate Ca(NO ₃) ₂	10124-37-5	<3%
	Calcium Nitrite Ca(NO ₂) ₂	13780-06-8	29 - 31%

	Water (H ₂ 0)	7732-18-5	Balance	
Section 4 – Fi	rst Aid Measure	es		
Inhalation	If inhaled: Remo necessary.	ve person to fresh air	and keep comfortable	for breathing. Provide artificial respiration if necessary. Seek medical attention if
Skin Contact	If on skin (or ha attention if irritat	,	ninated clothing. Rinse	skin immediately with soap and water for at least 15 minutes. Seek medical
Eye Contact	If in eyes: Rinse Seek medical at	,	for at least 15 minutes	, while holding eyelids open. Remove contact lenses, if present and easy to do.
Ingestion			•	trol center. Do NOT induce vomiting, unless advised by a medical professional. buth to an unconscious person.
Acute Health Hazards	High levels of nit (methemoglobin	,	bloods ability to transp	ort oxygen causing headache, fatigue, dizziness and blue lips and skin
Chronic Health Hazards	Methemoglobine	mia is the primary he	alth effect, but possible	excessive action of the kidneys and perhaps bowels can occur.

	e Fighting Measures						
Suitable Extinguishing Techniques &	Calcium Nitrite is an non-flammable aqueous solution and will not burn. However, if evaporated to dryness this product is an oxidizer and can sustain combustion.						
Equipment	Extinguishing Media: Dry chemical, carbon dioxide, water fog.						
Chemical Hazards From Fire	If product evaporates, residual solid may sustain combustion. Decompostion may yield calcium compounds and oxides of nitrogen.						
Special Fire Fighting Procedures	Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.						
NFPA Rating	Health - 2 (Moderate)						
-	Fire - 0 (Least)						
	Reactivity - 0 (Least)						
Other	Do not allow run-off from fire fighting to enter drains or water courses.						
Section 6 – Ac	cidental 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 impervious clothing.						
Containment	Control the flow of product using dikes of soil, sand bags or other commercially available inert sorbent socks or booms. Prevent entry into sewers, drains, underground or confined spaces, water intakes and waterways.						
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. Follow all local, state, ferderal and provincial laws and regulations for disposal.						
Section 7 – Sa	fe Handling & Storage						
Precautions for	Open container carefully, as needed to relieve any build up of pressure. Do not get this material in your eyes, on your skin, or on your clothing.						

Safe Handling & Do not inhale vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling. Store in a well ventilated cool dry place. Do not freeze. Store away from direct sunlight and any sources of heat. Empty product containers may contain residue. Do not reuse empty containers. Do not store this material in open or unlabled containers.

Incompatibility Avoid contact with ammonium salts, activated carbon, reducing agents, cyanides. Residue would be incompatible with combustible materials.

Exposure Limits	Component	Permissible Exposure Limit	Threshold Limit Value	Short Term Exposure Limit	Immediately Dangerous to Life or Health			
	Calcium Nitrite	Not Established	Not Established	Not Established	Not Established			
	Calcium Nitrate	Not Established	Not Established	Not Established	Not Established			
	Water (H ₂ O)	Not Established	Not Established	Not Established	Not Established			
ngineering Controls	Local or general exh	Local or general exhaust. Eyewash facilities should be available.						
ersonal	Eyes	Chemical safety goggl	es or safety glasse	es.				
rotective	Hands	Impervious gloves.						
Equipment	Respiratory	None required under normal conditions. NIOSH approved respirator if there is a mist of the product.						
quipment		Protective Clothing Impervious chemical clothing						

Gloves





Safety Glasses



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Appearance and	Clear light valley to colorloss liquid with	Specific Crowity	1 07 1 00			
Appearance and Odor	Clear, light-yellow to colorless liquid with slight sweet odor.	Specific Gravity	1.27 - 1.29			
Boiling Point	Approx. 226°F (108°C) at 1 atmosphere	Molecular Weight	N/A			
Freezing Point	No Data Available	Solubility in Water	Complete (100%)			
Vapor Pressure	No Data Available	Evaporative Rate	Evaporative Rate			
Gallons per Ton		pН	8.5 - 9.5			
Weight per Gallon		Salt-Out Temp	No Data Available			
Flash Point	>200°F (>93° C)	Auto Ignition Temp	Not Flammable			
Flammability	No Data Available	LEL	No Data Available			
Limits		UEL	No Data Available			

Section 10 - a	Stability & Reactivity
Reactivity	Product is not reactive under normal conditions.
Stability	Product is stable under normal conditions.
Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Do not allow product to evaporate to dryness, product residue may act as an oxidizer and support combustion. Avoid extreme heat. Avoid incompatible materials.
Incompatible Materials	Avoid contact with ammonium salts, activated carbon, reducing agents, cyanides. Residue would be incompatible with combustible materials.
Hazardous Decomposition Products	Decomposition may yield calcium compounds and oxides of nitrogen.
Section 11 – 1	Foxicology Information
Routes of Exposure	Inhalation, ingestion or skin/eye absorption

Routes of Exposure	Inhalation, ingestion	n or skin/eye abs	sorption				
Symptoms and	Eyes	Causes mode	erate eye irritation.				
Signs of	Skin	Mild irritant.					
Exposure	Inhalation	May irritate re	espiratory tract causing sneezing, cough and sore throat.				
	Ingestion	Ingestion may methemoglob	s product will immediately cause burns to the mouth, throat, esophagus and possibly the digestive tract. y cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product may cause pinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, stupor, coma, and rarely death.				
Acute Health Hazards			al if swallowed. This product is irritating to the eyes, respiratory system this product may cause Methemoglobinemia.				
Long Term Effects	Methemoglobinemi	a is the primary	long-term health effect. Repeated skin contact with this material may cause dermatitis.				
Toxicity	Calcium Nitrite 13780-06-8						
	Rat Oral Toxicity	LD ₅₀	940 mg / kg				
	Water (7732-18-5)						
	Rat Oral Toxicity	LD ₅₀	>90 mL / kg				

Carcinogen IARC: Monograph 94 posted (related to nitrates) Group 2A (probably carcinogenic to humans)

	cological Inform		hormful to aith	orrootrial and	uctic plant life			
General Product	in high concentration	ons, this product may be	narmul to either t	errestrial and aq	uatic plant life			
Ecotoxicity	Aquatic Toxicity: Calcium Nitrate (10124-37-5)	96 Hr LC50 Leomis Macrochirus	120 Hr EC50 Daphnia Magna					
		10000 mg / L	2355 mg / L					
	Endpoint	Test Duration	Species	Value	Source			
	EC50	48 hrs	Crustacea	45 mg/l	1			
	LC50	96 hrs	Fish	>100 mg/l	1			
	EC50	72 hrs	Algae or other aquatic plants	> 100 mg/l	1			
	EC50(ECx)	48 hrs	Crustacea	45 mg/l	1			
	*1: Europe ECHA	Registered Substances -	Ecotoxicological I	nformation - Aqu	atic Toxicity			
Section 13 – D	isposal Conside							
Waste		ot considered a hazardo waste in an appropriate o			n accordance with lo	cal, state and federal environ	mental	
	ransport Informa				· • • •			
		dous as defined by 49 C	· · · · · ·		•			
	-		sportation as defin	ed by Canada's	I ransportation of Dai	ngerous Goods Information.		
	egulatory Inform		to the EDA Llegen		mulmeted under Cest	ione 211 and 212 of Title III a	fálse Cumenfu	
Jnited States - SARA Hazard Category		•		•	•	ions 311 and 312 of Title III o neet the following categories:	•	
	Fire - No	Pressure - No	Reactive - No	Acute - Yes	Chronic - No			
SARA Title III	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 (II	s SARA Reporti	ng			
				302	304	313		
	Calcium Nitrite	13780-06-8	N/A	N/A	N/A	N/A		
	Calcium Nitrate	10124-37-5	N/A	N/A	N/A	Yes ⁽¹⁾		
	(1) - Thefollowing components are subject to reporting levels established by SARA Title III 313:							
		Calcium Nitrate	10124-37-5	>= 1 - < 5%				
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	All chemical substated exemption.	ances in this product are	either listed as Ac	tive on the TSCA	A inventory or are in o	compliance with a TSCA Inve	ntory	
	ther Information							
Date of Issue	1/21/2025							
Date of Revision		dated to reflect new pH ra 019 TSCA Statement rev				022 formatting update. Octobe 2018	er 2019 Sect	
Disclaimer	materials. This info intended for use by warranty, expresse Nothing herein is to to vendee or third p	ormation is furnished free / persons possessing tec ed or implied, and no liab o be construed as a reco	e of charge and is chnical knowledge ility is assumed by mmendation to inf sed by abnormal u	based on data be at their own disc TradeMark Nitro ringe any patents se of the materia	elieved to be accurate retion and risk. Since ogen Corp. in conjun s. TradeMark Nitroge	relate to any process or use v e and reliable as of the date h e actual use is beyond our con ction with the use of this infor en Corp. assumes no respons safety procedures are followe	nereof. It is ntrol, no mation. sibility for inju	