



Safety Data Sheet NitroCast 701

Revision date: February 1, 2022

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: NitroCast 701
Synonyms: None
Chemical family: Water Reducing and Accelerating Concrete Admixture
Producer: Premiere Concrete Admixtures
508 Cedar Street
Pioneer, Ohio 43554
www.premiereadmix.com

Telephone: 419-737-9808 Available during normal business hours

Emergency: CHEMTREC 800-424-9300 Available 24 hours

Section 2. HAZARDS IDENTIFICATION

GHS Hazard Classification and Label Elements

DANGER — Serious eye damage (category 1)
Acute toxicity, oral (category 4)



(DANGER)

Hazard Statements

H318 Causes serious eye damage
H302 Harmful if swallowed

Precautionary Statements and Symptoms

P260 Avoid breathing mist/spray.
P280 Wear eye and face protection. (see Section 8).
P264 Wash skin thoroughly after handling
P270 Do not eat, drink, or smoke when using this product.
P303+313 May be harmful if swallowed or in contact with skin.
P310 If in eyes, immediately call a doctor and get medical advice/ attention.
P301+312+P330+P331 If Swallowed: Rinse mouth. Do NOT induce vomiting. Call a poison control center if you feel unwell.
P303+P361+P353+363 If on Skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
P305+310+351+338 If in eyes, rinse continuously for several minutes, remove contact lenses if present and easy to do so, continue rinsing. Immediately call a poison control center (see first aid Section 4).
P337+P313 If eye irritation persists, get medical advice/ attention.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified or not covered by GHS

Inhalation: May irritate the respiratory tract. Avoid breathing mist.

Ingestion: Ingestion is not anticipated in an industrial environment. If ingested, get immediate first aid (Section 4).

Skin contact: May irritate skin. Avoid prolonged or repeated skin contact.

Chronic: NA

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information: (Does not include non-GHS regulated ingredients)

Name	CAS No.	Weight %
Sodium Rhodanate	540-72-7	Less than 20%
Sodium Nitrate	7631-99-4	Less than 80%

**Note: The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.*

Section 4. FIRST AID MEASURES

Inhalation: Move exposed persons to fresh air. If the person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. Seek medical attention.

Skin contact: Quickly remove contaminated clothing and shoes. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Do not induce vomiting unless instructed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth with water. Call a physician or poison control center immediately.

Eye contact: Check for and remove any contact lenses. Flushing eyes with tepid water lifting upper and lower lids for 15 minutes. Seek medical attention.

Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Specific hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. See Section 10 for hazardous combustion products.

Special protective equipment for firefighters: As with any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately contact emergency personnel. Avoid mist formation. Avoid breathing vapors or mist. Ensure adequate ventilation.
Large Spill:	Do not let product enter drains. Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120.
Methods for Containment and Clean up	Avoid creating or breathing mist or vapors. Absorb with inert material and keep in a suitable, closed container for disposal. Wear personal protective equipment (Section 8).

Section 7. HANDLING AND STORAGE

Handling:	Keep containers closed when not in use. Avoid formation of mist and aerosols.
Storage:	Store in original container away from incompatible materials and food or drink. See Section 10. Keep from freezing. Keep container tightly closed until ready for use. Do not reuse the container. Average shelf life: 18 months.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	Exposure Limits TWA ^A		
		ACGIH® TLV®	Federal OSHA PELs	OSHA PELs 1989 ^B
Sodium Rhodanate	540-72-7	None	None	None
Sodium Nitrate	7631-99-4	None	None	None

All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

^A Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.

^B Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

Engineering measures: General ventilation is acceptable if exposure to materials in this section does not create symptoms listed in Section 2. If exposure symptoms appear, provide local exhaust ventilation according to general industrial hygiene practices.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: When engineering controls are not sufficient to reduce exposure to levels below applicable exposure limits, seek professional advice prior to respirator selection and use.

Skin and body protection: Handle with impervious (nitrile or PVC rubber) gloves. Choose body protection e.g. impervious apron, sleeves, coveralls, as specified by a PPE assessment and the amount of potential splash created.

Eye protection: Safety eyewear (goggles) and face protection should be used when a PPE assessment indicates this is necessary to avoid exposure to liquid splashes, or mists.

Hygiene measures: Avoid skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities.

Other precautions: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and at the end of the work period.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Brown
Odor:	Musty
Molecular weight:	Not available
pH:	7.5-11.5
Boiling point/range (5-95%):	212°F, 100°C
Melting point/range:	32°F, 0°C
Decomposition temperature:	Not available
Specific gravity:	1.235-1.275
Vapor density:	Not applicable
Vapor pressure:	Not applicable
Evaporation rate (Butyl acetate= 1):	Not applicable
Flash point, method used:	Not applicable
Water solubility:	100 %
VOC Content:	0 %
Auto-ignition temperature:	Material is not self-igniting

Flammable limits in air — lower (%): Not applicable
Flammable limits in air — upper (%): Not applicable

Section 10. STABILITY AND REACTIVITY

Reactivity: Under normal conditions of storage and use, hazardous reactions will not occur.
Stability: The material is stable.
Possibly hazardous reactions: None known
Conditions to avoid: Avoid contact with combustible material
Incompatible Materials: Strong reducing agents.
Hazardous decomposition products: Calcium oxide, nitrogen oxides.
Polymerization: Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: No toxicity data is available for the product as a mixture. The following component data is provided.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Sodium Rhodanate	13477-34-4	Not available	No skin irritation OECD Test Guideline 404	Acute LD ₅₀ (Rat):>300 to <2,000 mg/kg
Sodium Nitrate	540-72-7	Not available	Not available	Acute LD ₅₀ (Rat):764 mg/kg

Serious eye damage/eye irritation: Eyes – Rabbit
Result: Risk of serious damage to eyes (OECD Test Guidance 405)

Chronic toxicity: No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or suspect carcinogen by the IARC, NTP, OSHA, or ACGIH.

Sensitization: No data

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects:	Calcium Nitrate Tetrahydrate
Bioaccumulative Potential:	No data available
Persistence and degradability:	No data available
Mobility in Soil:	No data available

Section 13. DISPOSAL CONSIDERATIONS

Disposal considerations: Generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Contact a licensed professional waste disposal service to dispose of this material.

Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

Transport information: Not regulated for transport.
Hazardous Materials Description: (DOT and IATA): None.
UN/identification no.: None.
Proper shipping name: None.

Hazard class: None.
Packing group: None.
DOT reportable quantity (lbs.): None.

Section 15. REGULATORY INFORMATION

U.S. federal regulatory information:

State and community right-to-know regulations:

The following component(s) of this material are identified on the regulatory lists below:

U.S. TSCA Chemical inventory Section 8(b), AICS (Australia), DSL (Canada): All components are listed in TSCA, AICS, and DSL.

OSHA — This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard.

CERCLA Sections 102a/103 (40 FR 302.4):

Component

Reportable Quantity

Some Components of this product are listed in the following sections of **SARA**:

SARA Title III Section 302 — Not applicable

SARA Title III Section 304 — Not applicable

SARA Title III Section 313 — This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard:	Yes
Chronic health hazard:	No
Fire hazard:	No
Reactive Hazard:	No
Pressure Hazard:	No

RCRA Regulated Components: None

Marine Pollutant: Not listed

State Regulations: Calcium nitrate tetrahydrate, CAS Number 13477-34-4, and Sodium thiocyanate, CAS Number 540-72-7 appear on the following state hazardous substance lists: NJ and PA. Check individual state requirements.

California Proposition 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

INTERNATIONAL REGULATIONS

Identification According to EEC Directives: None

NOTE: User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, Premiere Concrete Admixtures (Premiere) does not guarantee the accuracy or completeness, nor shall any of this

information constitute a warranty, representation, or license of any kind, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Premiere assumes no responsibility for injuries proximately caused by use of the Materials if reasonable safety procedures are not followed as stipulated in this Safety Data Sheet. Additionally, Premiere assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. The buyer assumes the risk in its use of the Material.