

Section 1. Product and Company Identification**Product Name:** STRiON:FORTIFY MAX**Product Use:** Concrete chemical hardener**Effective Date:** 1 January 2021**Replaces:** NEW**Manufacturer Information:**Convergent Concrete Technologies
115 North 1380 West
Orem, UT 84057
Telephone: 801-375-2280**Emergency Phone Number:****INFOTRAC (24-hr/7 days)**
United States: 1-800-535-5053
International: 1-352-323-3500**Section 2. Hazard Identification****GHS Pictograms:****GHS Signal Word:** WARNING

Contact with eyes and skin. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS**CODE OF HAZARD STATEMENTS:****Physical hazards**

None.

Health Hazards

H3023-Harmful if swallowed.

H318-Causes serious eye damage.

Environmental hazards

None.

CODE OF PRECAUTIONARY STATEMENTS:**General**

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P264-Wash skin thoroughly after handling.

P270-Do not eat, drink or smoke while using this product.

P280-Wear protective gloves, eye protection.

Response statements

P301 + P312 + P330-If SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P305 + P 351 + P338 + P310- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISEN CENTER or doctor/physician.

Storage

P403-Store in well-ventilated place.

P404-Store in a closed container.

P412-Do not expose to temperatures exceeding 60 °C (140 °F)

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:** None know at this time.

Section 3. Ingredients and Hazards Identification

Component	CAS #	EINECS No	% by weight	REACH Reg #
Strontium nitrate	10042-76-9	233-131-9	> 36	Yes
Proprietary	Prop.	Prop.	< 1	No
Proprietary	Prop.	Prop.	< 1	Yes

Section 4. First Aid Measures

Eye Contact: Cautiously flush eyes with water for several minutes. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin/Hair Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. Flush exposed skin with water for at least 15 minutes.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, rinse mouth and get medical attention. DO NOT INDUCE VOMITING. Drink large amounts of water. Never give anything by mouth to an unconscious person.

Acute Health Hazards: High levels of nitrates may reduce the blood's ability to transport oxygen, causing headaches, fatigue, dizziness and blue lips/skin (methemoglobinemia).

Chronic Health Hazards: Methemoglobinemia is the primary health effect, but possible excessive action of the kidneys and perhaps bowels can occur.

Section 5. Fire Fighting Measures

Flash Point: Not flammable

Flammability Limits: NE

Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.

Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE). Material may cause the floor to be slippery.

Section 6. Accidental Release Measures

Clean-up Procedures: Wear proper PPE (gloves, goggles/face shield, protective clothing). Stop the source of the release if you are not put at risk. Avoid mists or vapors. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.

Spills and Leaks: Avoid splashing or spraying. Prevent discharge to sewers or water ways. Dispose in accordance to local, state or federal regulations.

Section 7. Handling and Storage

Handling: Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.

Storage: Store in original labeled container. Keep in cool and dry areas. Keep above 32°F. Do not exceed 60 °C (140 °F).

Section 8. Exposure Control/Personal Protection

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Chemical resistant gloves.

Respiratory: None required under normal conditions.

Section 9. Physical and Chemical Properties			
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Odor/Color	Odorless/clear	Vapor Pressure	No data available
pH	4-5	Density	No data available
% volatile by weight	0 g/L	Solubility	No data available
Evaporation rate	No data available	Boiling Point	212 °F (100 °C)

Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: Extreme heat may cause decomposing to toxic fumes of nitrogen oxides.

Hazardous Polymerization: Will not occur.

Incompatible Materials: Organic or other oxidizable materials, strong acids and strong bases.

Materials to Avoid: Avoid heat and sources of ignition, extremely high or low temperature, contact with bronze and copper.

Section 11. Toxicological Information
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Eyes: Mild irritant.

Skin: Not determined, chronic exposure may be irritating.

Acute Dermal Toxicity: Not expected to be toxic through the skin.

Inhalation: Not determined, expected to be an irritant to the respiratory system.

Ingestion: Not determined.

Carcinogenic Effects: None

Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-existing conditions.

Section 12. Ecological Information

Ecotoxicity: The toxicity of this product has not been determined.

Environmental Fate: This product should be expected to be readily biodegradable.

Section 13. Disposal Considerations
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Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal regulations.

Container Handling and Disposal: All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

Section 14. Transport Information
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Ground Classification: Not regulated by US DOT

Shipping Name: None

Technical Shipping Name: None

UNFIC: None

ID Number: None

Packaging Group: None

Labels: No US DOT Labels

Not regulated by IATA or IMO

Section 15. Regulatory Information

EPCRA 311/312 Categories: Immediate (Acute) Health Effects: No
 Delayed (Chronic) Health Effects: No
 Fire Hazard: No
 Sudden Release of Pressure: No
 Reactivity: No

European Community:  irritating (Xi) substances

Right to know classification: None listed.

TSCA: All ingredients listed or exempt from listing.

Reportable Quantity (RQ): None

Prop. 65: None listed

WHMIS: Xi (Irritant to the eyes and skin)

All ingredients are listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

Section 16. Other Information

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

Health	1	1	Health
Fire	1	1	Fire
Reactivity	0	0	Instability
Personal Protection	C		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

Risk phrases: R36, Irritating to eyes; R37, Irritating to respiratory system; and R38, Irritating to skin.
Safety phrases: S2, Keep out of reach of children; S24, Avoid contact with skin; S25, Avoid contact with eyes; S37, Wear suitable gloves; and S39, Wear eye/face protection.

Created: 1 January 2021
 Reviewed: 1 January 2021

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